					ST DEPARTMENT DIVISION O		URAL RESC		3		AMENI	FC DED REPOI	RM 3	
		AF	PPLICATION FO	OR PERM	IIT TO DRILL					1. WELL NAME and N	JMBER NBU 920	-14F2DS		
2. TYPE O	F WORK	DRILL NEW WELL	REENTER	P&A WELL	_ DEEPEN	WELL ()			3. FIELD OR WILDCAT				
4. TYPE O	F WELL				hane Well: NO					5. UNIT or COMMUNI	TIZATION NATURAL		ENT NAM	1E
6. NAME (OF OPERATOR		KERR-MCGEE OIL							7. OPERATOR PHONE				
8. ADDRE	SS OF OPERAT				<u> </u>					9. OPERATOR E-MAIL	L			
	AL LEASE NUM		P.O. Box 173779		INERAL OWNERS	SHIP				12. SURFACE OWNER		anadarko	.com	
(FEDERAI	_, INDIAN, OR S	TATE) UTU-0577-A		FEC	DERAL (III) IND	DIAN 🔵	STATE () FEE		FEDERAL INI	DIAN 🔳	STATE	F	EE 🔵
13. NAME	OF SURFACE	OWNER (if box 12	= 'fee')							14. SURFACE OWNER	R PHONE	(if box 12	= 'fee')	
15. ADDR	ESS OF SURFA	CE OWNER (if box	12 = 'fee')							16. SURFACE OWNER	R E-MAIL	(if box 12	: = 'fee')	
		R TRIBE NAME			TEND TO COMM		RODUCTION	FROM		19. SLANT				
(if box 12	! = 'INDIAN') U	te Indian Tribe			central contract of the contra		ing Application	on) NO		VERTICAL DIF	RECTION	AL 📵 H	HORIZONT	TAL 🔵
20. LOC/	ATION OF WELL	-		FOOTAGE	ES	QTF	R-QTR	SE	CTION	TOWNSHIP	R/	ANGE	МЕ	ERIDIAN
LOCATIO	N AT SURFACE		593	3 FNL 620) FWL	NW	VNW		14	9.0 S	20	0.0 E		S
Top of U	ppermost Proc	lucing Zone	1924	FNL 180	06 FWL	SE	ENW		14	9.0 S	20	0.0 E		S
At Total	Depth		1924	FNL 180	06 FWL	SE	ENW		14	4 9.0 S 2		0.0 E		S
21. COUN	ITY	UINTAH		22. DI	STANCE TO NEA	REST LEA 180		eet)		23. NUMBER OF ACRI	ES IN DRI 20		IT	
					STANCE TO NEA ied For Drilling		leted)	POOL		26. PROPOSED DEPTI		TVD: 117	69	
27. ELEV	ATION - GROUN	ID LEVEL		28. BC	OND NUMBER	7.5-	<u> </u>			29. SOURCE OF DRIL			DDI IOAD	
		4775				WYB00	WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496					LE		
					_		Coment Information							
String Surf	Hole Size	Casing Size 8.625	0 - 3000	Weight 28.0	Grade & T		Max Mud Wt. Cement Sacks 0.2 Type V 180			Yield 1.15	Weight 15.8			
Suri	- 11	0.025	0 - 3000	20.0	J-55 L1	αυ	0.	. 2	-	Class G		270	1.15	15.8
Prod	7.875	4.5	0 - 12119	11.6	HCP-110	LT&C	12	.5	Prei	mium Lite High Stre	ngth	370	3.38	12.0
										50/50 Poz		1750	1.31	14.3
					A	TTACHN	MENTS							
	VEF	RIFY THE FOLLO	WING ARE AT	TACHED	IN ACCORDAN	ICE WITI	H THE UTA	AH OIL A	AND GAS	CONSERVATION G	ENERA	L RULES		
⊮ w	ELL PLAT OR M	AP PREPARED BY	LICENSED SURVE	YOR OR E	NGINEER		№ COM	PLETE D	RILLING PI	_AN				
AF	FIDAVIT OF STA		FORM	1 5. IF OP	PERATOR IS	S OTHER THAN THE LE	EASE OW	NER						
I DII	RECTIONAL SU	RVEY PLAN (IF DIR	ECTIONALLY OR	HORIZON	ITALLY DRILLED)	торо	GRAPHI	CAL MAP					
NAME La	iura Abrams			TITLE R	egulatory Analyst	II			PHONE 7	20 929-6356				
SIGNATU	IRE			DATE 0	7/17/2012		EMAIL Laura.Abrams@anadarko.com							
	BER ASSIGNED 047529520			APPROV	/AL				Bod	ogill				
							Permit Manager							

NBU 920-14D Pad Drilling Program

1 of 4

Kerr-McGee Oil & Gas Onshore, L.P.

NBU 920-14F2DS

Surface: 593 FNL / 620 FWL NWNW BHL: 1924 FNL / 1806 FWL SENW

Section 14 T9S R20E

Unitah County, Utah Mineral Lease: UTU 0577-A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

Estimated Tops of Important Geologic Markers: Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1,741'	
Birds Nest	1,933'	Water
Mahogany	2,547'	Water
Wasatch	5,206'	Gas
Mesaverde	8,502'	Gas
Sego	10,733'	Gas
Castlegate	10,887'	Gas
Blackhawk	11,169'	Gas
TVD =	11769	
TD =	12.119'	

2.c Kerr McGee Oil & Gas Onshore LP (Kerr McGee) may elect to drill to (i) the Blackhawk formation (part of the Mesaverde Group), (ii) to a shallower depth within the Mesaverde Group, or (iii) to the Wasatch Formation. If Kerr McGee drills to the Blackhawk formation, please refer to Blackhawk as the bottom formation. The attached Blackhawk Drilling Program includes Total Vertical Depth, Total Depth, and appropriate casing and cement programs for the deeper formation.

If Kerr-McGee drills to a shallower depth in the Mesaverde Group or to the Wasatch Formation, please refer to the attached Wasatch/Mesaverde Drilling Program which includes Total Vertical Depth, Total Depth, and appropriate casing and cement programs for the shallower formations.

3. <u>Pressure Control Equipment</u> (Schematic Attached)

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

4. <u>Proposed Casing & Cementing Program:</u>

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

5. **Drilling Fluids Program:**

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

6. Evaluation Program:

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program

7. Abnormal Conditions:

NBU 920-14D Pad Drilling Program 2 of 4

7.a Blackhawk (Part of Mesaverde Group)

Maximum anticipated bottom hole pressure calculated at 11769' TVD, approximately equals 7,532 psi (0.64 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 4,926 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

7.b Wasach Formation/Mesaverde Group

Maximum anticipated bottom hole pressure calculated at 10733' TVD, approximately equals 6,547 psi (0.61 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 4,214 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. <u>Variances:</u>

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- · Blowout Prevention Equipment (BOPE) requirements;
- · Mud program requirements; and
- · Special drilling operation (surface equipment placement) requirements associated with air drilling.

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may

NBU 920-14D Pad Drilling Program
3 of 4

be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooic line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

NBU 920-14D Pad Drilling Program 4 of 4

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

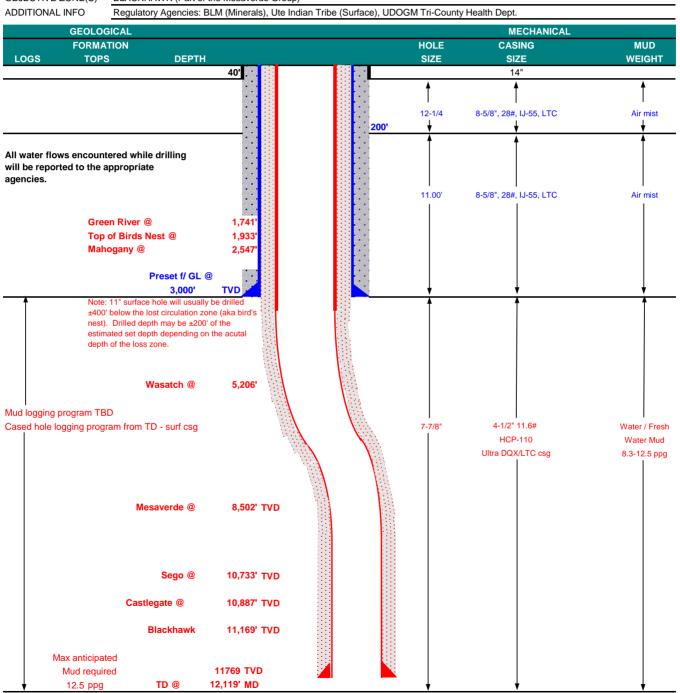
10. <u>Other Information:</u>

Please refer to the attached Blackhawk Drilling Program and the Wasatch/Mesaverde Drilling Program



KERR-McGEE OIL & GAS ONSHORE LP Blackhawk Drilling Program

COMPANY NAME KER	R-McGEE OIL &	GAS ONSHOR	E LP		DATE	June 6, 20)12		
WELL NAME NB	J 920-14F2D	S			TD	11769	TVD	12,119' MD	
FIELD Natural Butte	es COUNTY Uintah STATE Utah			h	FINIS	HED ELEVATION	4,775'		
SURFACE LOCATION	NWNW	593 FNL	620 FWL	Sec 14	T 9S	R 20E			
	Latitude:	40.041032	Longitude:	-109.64	1426		NAD 83		
BTM HOLE LOCATION	SENW	1924 FNL	1806 FWL	Sec 14	T 9S	R 20E			
	Latitude:	40.037361	Longitude:	-109.63	7175		NAD 83		
OBJECTIVE ZONE(S)	BLACKHAWK	(Part of the Mes	averde Group)						
ADDITIONAL INFO	Regulatory Age	encies: BLM (Mir	erals), Ute India	an Tribe (Su	ırface), U	DOGM Tri-Co	unty Health Dept.		





KERR-McGEE OIL & GAS ONSHORE LP Blackhawk Drilling Program

CASING PROGRAI	<u>VI</u>								DESIGN F	ACTORS	
										LTC	DQX
	SIZE	INT	ERVA	L	WT.	GR.	CPLG.	BURST	COLLAPSE	TE	NSION
CONDUCTOR	14"	()-40'								
								3,390	1,880	348,000	N/A
SURFACE	8-5/8"	0	to	3,000	28.00	IJ-55	LTC	1.79	1.34	4.73	N/A
								10,690	8,650	279,000	367,174
PRODUCTION	4-1/2"	0	to	5,000	11.60	HCP-110	DQX	1.19	1.13		3.23
	4-1/2"	5,000	to	12,119'	11.60	HCP-110	LTC	1.19	1.13	4.18	

Surface Casing:

(Burst Assumptions: TD =

12.5 ppg) 0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @

9000 psi)

0.64 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80	1.15
Option 1		+ 0.25 pps flocele				
TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80	1.15
		+ 2% CaCl + 0.25 pps flocele				
SURFACE		NOTE: If well will circulate water to	surface, op	tion 2 will be	utilized	
Option 2 LEAD	2,500'	65/35 Poz + 6% Gel + 10 pps gilsonite	230	35%	11.00	3.82
		+ 0.25 pps Flocele + 3% salt BWOW				
TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80	1.15
		+ 0.25 pps flocele				
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION LEAD	4,699'	Premium Lite II +0.25 pps	370	35%	12.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
TAIL	7,420'	50/50 Poz/G + 10% salt + 2% gel	1,750	35%	14.30	1.31
		+ 0.1% R-3				

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE

Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe

PRODUCTION

Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk well.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys wi	II be taken at	1,000'	minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

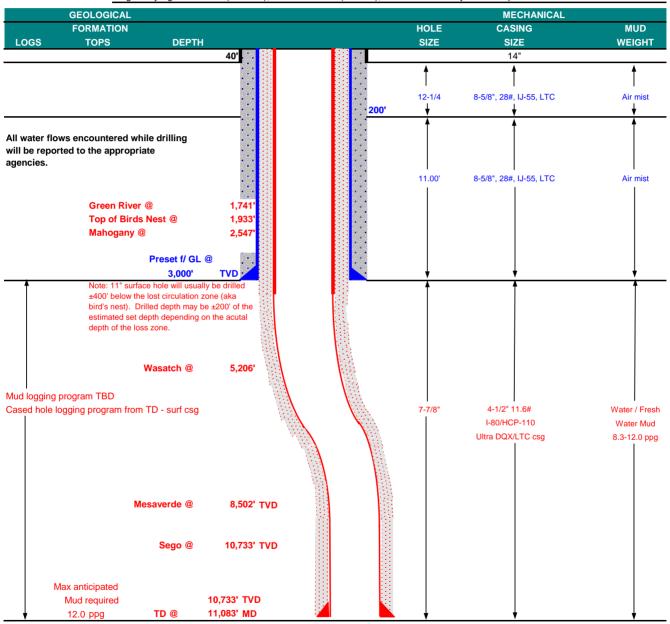
DRILLING ENGINEER:		DATE:	
	Nick Spence / Danny Showers / Chad Loesel		
DRILLING SUPERINTENDENT:		DATE:	
	Kenny Gathings / Lovel Young		

^{*}Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained



KERR-McGEE OIL & GAS ONSHORE LP Wasatch/Mesaverde Drilling Program

COMPANY NAME KER	COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE June 6, 2012													
WELL NAME NB	J 920-14F2	os			TD	10,733'	TVD	11,083' MD						
FIELD Natural Butte	S	COUNTY Uintah STATE Utah				FINIS	HED ELEVATION	4,775'						
SURFACE LOCATION	NWNW	593 FNL	620 FWL	Sec 14	T 9S	R 20E								
	Latitude:	40.041032	Longitude:	-109.641	1426		NAD 83							
BTM HOLE LOCATION	SENW	1924 FNL	1806 FWL	Sec 14	T 9S	R 20E								
	Latitude:	40.037361	Longitude:	-109.637	7175		NAD 83							
OBJECTIVE ZONE(S)	Wasatch Forn	nation/Mesaverd	e Group											
ADDITIONAL INFO	Regulatory Ag	gencies: BLM (Mi	nerals), Ute India	an Tribe (Sเ	urface), l	JDOGM Tri-Co	unty Health Dept.							
GEOLOG	ICAL					MEC	HANICAL							





KERR-McGEE OIL & GAS ONSHORE LP Wasatch/Mesaverde Drilling Program

CASING PROGRAM

CONDUCTOR

SURFACE

PRODUCTION

<u></u>								DEGIGITI	AUTUILU	
									LTC	DQX
SIZE	INT	ERVA	L	WT.	GR.	CPLG.	BURST	COLLAPSE	TE	NSION
14"	()-40'								
							3,390	1,880	348,000	N/A
8-5/8"	0	to	3,000	28.00	IJ-55	LTC	1.79	1.34	4.73	N/A
							7,780	6,350		267,035
4-1/2"	0	to	5,000	11.60	I-80	DQX	1.11	0.95		2.54
							10,690	8,650	223,000	
4-1/2"	5,000	to	11,083'	11.60	HCP-110	LTC	1.53	1.29	3.87	

Surface Casing:

(Burst Assumptions: TD = 12.0 ppg) 0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.61 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80	1.15
Option 1			+ 0.25 pps flocele				
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			+ 2% CaCl + 0.25 pps flocele				
SURFACE		-	NOTE: If well will circulate water to	o surface, opt	tion 2 will be	utilized	•
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			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80	1.15
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	4,703'	Premium Lite II +0.25 pps	370	35%	12.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	6,380'	50/50 Poz/G + 10% salt + 2% gel	1,510	35%	14.30	1.31
			+ 0.1% R-3				

^{*}Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

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Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

Kenny Gathings / Lovel Young

DRILLING ENGINEER:

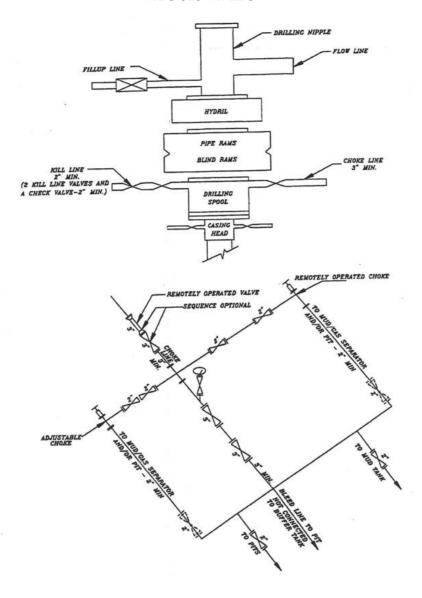
Nick Spence / Danny Showers / Chad Loesel

DRILLING SUPERINTENDENT:

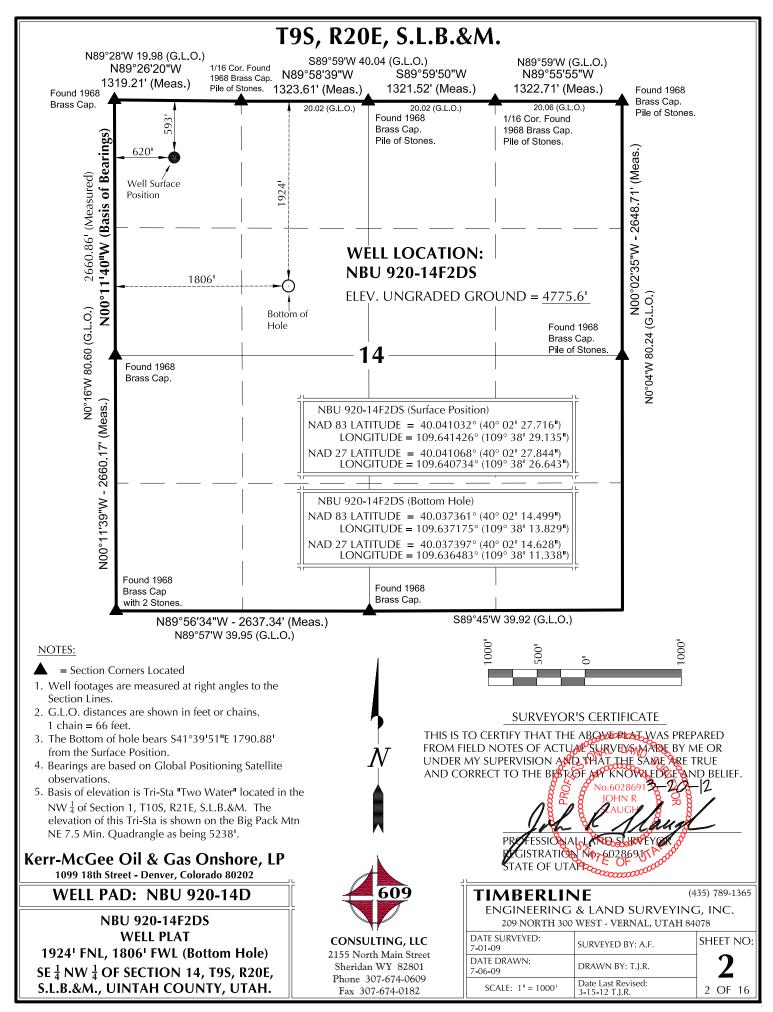
DATE:

^{*}Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

EXHIBIT A NBU 920-14F2DS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

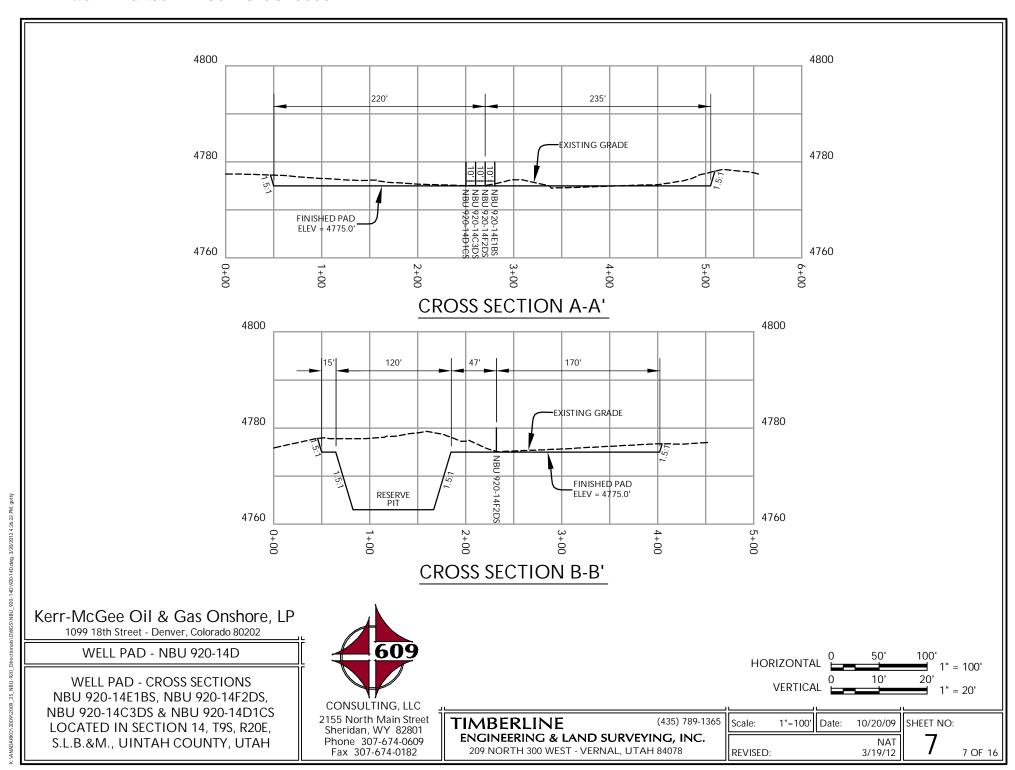


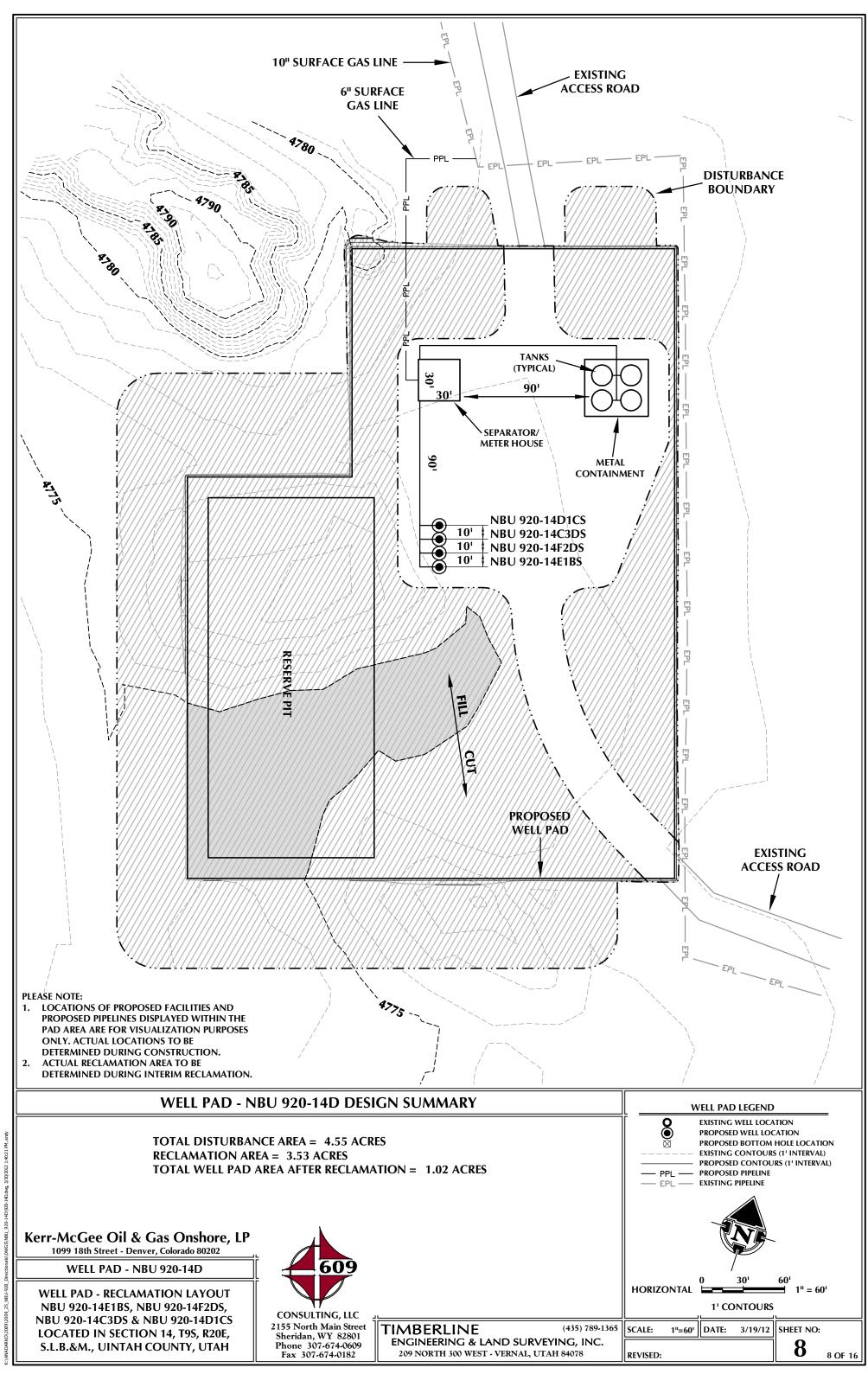
		ÇI	JRFACE POS	ITION						BOTTOM HOLE		
WELL NAME		D83		NAD27				NAD	83	NAE		
NBU	LATITUDE 40°02'27.620"	LONGITUDE 109°38'29.097	_		26.605"	603 FNL	40°02'1		109°38'27.933	_	LONGITUDE 109°38'25.441"	1592' FNL
920-14E1BS	40.041006°	109.641416°	40.04104	l° 109.640	0724°	6231 FWL	40.0382	288°	109.641092°	40.038324°	109.640400°	710' FWL
NBU 920-14F2DS	40°02'27.716" 40.041032°	109°38'29.135	" 40°02'27. 40.041068	844" 109°38	I	5931 FNL	40°02'1 40.0373		109°38'13.829	" 40°02'14.628" 40.037397°	109°38'11.338"	1924' FNL 1806' FWL
NBU	40°02'27.809"	109.641426° 109°38'29.173			26.681"	620' FWL 584' FNL	40°02°2		109.637175° 109°38'13.600		109.636483° 109°38'11.108"	1041' FNL
920-14C3DS	40.041058° 40°02'27.904"	109.641437°	40.041094			617' FWL	40.0397		109.637111°	40.039820°	109.636419°	1827' FWL
NBU 920-14D1CS	40°02°27.904° 40.041084°	109°38'29.210 109.641447°	40.041120	032" 109°38 0° 109.640	I	574' FNL 614' FWL	40.041		109°38'27.518 109.640977°	" 40°02'28.288" 40.041191°	109°38'25.026" 109.640285°	547' FNL 746' FWL
			RELAT	IVE COORD	INATES -	From Surface	Position	to Botto	om Hole			
WELL NAME	NORTH		ELL NAME	NORTH	EAST		NAME	NORT	TH EAST	WELL NAM	IE NORTH	EAST
NBU 920-14E1BS	-990.21	90.4 ¹ NB 92	0-14F2DS	-1337.9'	1190.5	NBU 920-14	C3DS	- 464.	.3' 1211.5	NBU 920-14D1C	s 25.9'	131.6'
Kerr-McC	SCA SCA		7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	920-14D1 920-14C3 920-14F 1 920-14	OF TH S.L.B., GLOB OBSEI	&M. WHICE ALL POSITIONS TO	F SECTION IS TAE ONING TO BEA	ON 14, KEN FR SATELL AR NOC	. T9S, R20E, ROM LITE D°11'40"W. 3556° - 134.12' -	Bottom of Hole AZ 110.9702 Bottom Hole AZ 129 Bottom Hole	80.41,	
1099 1	8th Street - De	nver, Colorado	80202	. . 			-	1			*	
WEL	L PAD - 1	NBU 920-	14D		#	609		11	MBERI			35) 789-1365
\A/F==	0 4 D 1 1 1 T T	DEEDEN (**	- DIAT	Ti .				E		NG & LAND 300 West - Ver		
		RFERENCE		.	CONCL	₹ 7 !! TIN !	c	DATE	209 NORTH SURVEYED:			
		IBS, NBU 92				LTING, LLO		7-01-0	09	SURVEYED B	Y: A.F.	SHEET NO:
		R NBU 920-1				n WY 82801		DATE 7-06-0	DRAWN:	DRAWN BY:	T.J.R.	5
		ION 14, T99 I COUNTY,			Phone 3	807-674-060			CALE: 1" = 60'	Date Last Rev		J
3.L.D.Q	···, OINTAL		OTAII.		Fax 30	7-674-0182			C/\LL. I = 0U	3-15-12 T.J.R		5 OF 16

209 NORTH 300 WEST - VERNAL, UTAH 84078

RECEIVED: July 17, 2012

REVISED:





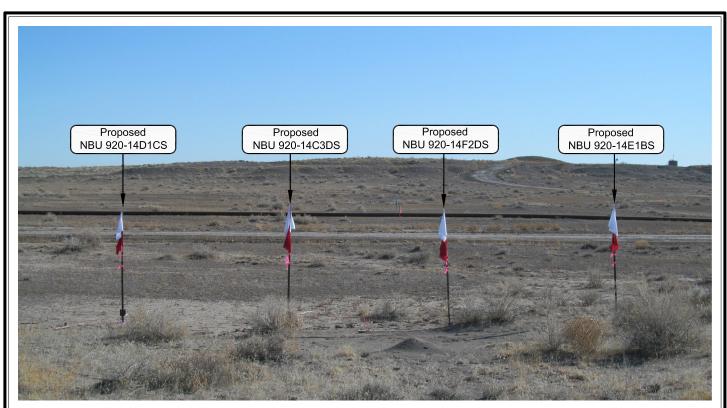


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO VIEW: FROM EXISTING ACCESS ROAD

CAMERA ANGLE: SOUTHEASTERLY

Kerr-McGee Oil & Gas Onshore, LP

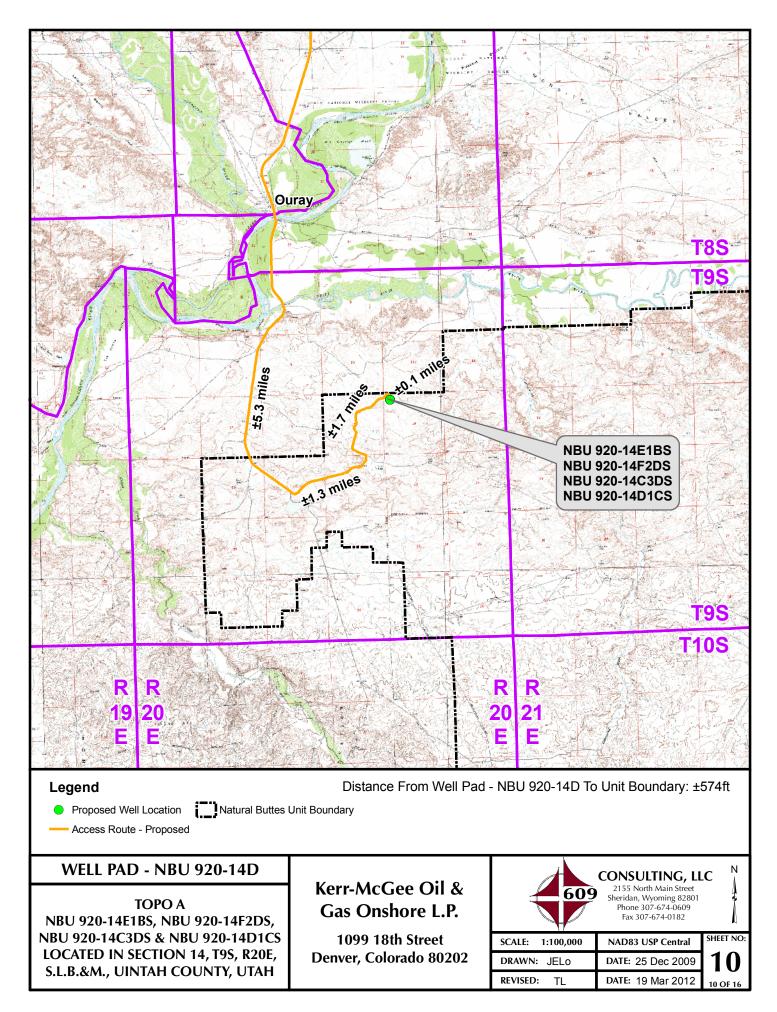
WELL PAD - NBU 920-14D

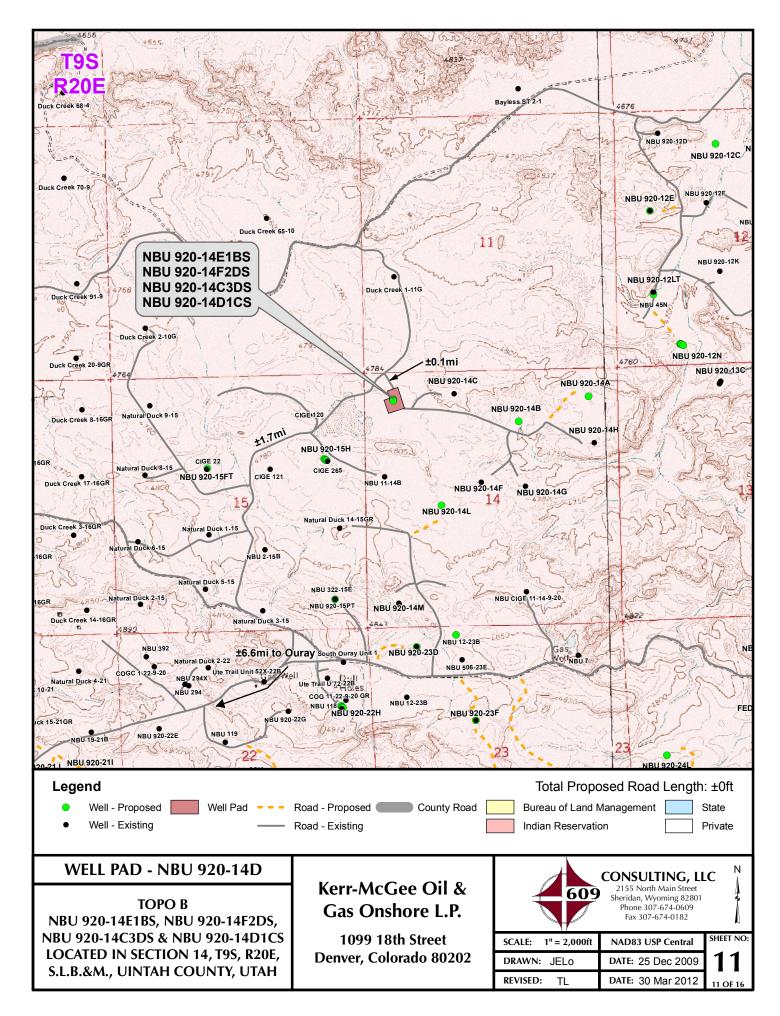
LOCATION PHOTOS
NBU 920-14E1BS, NBU 920-14F2DS,
NBU 920-14C3DS & NBU 920-14D1CS
LOCATED IN SECTION 14, T9S, R20E,
S.L.B.&M., UINTAH COUNTY, UTAH.

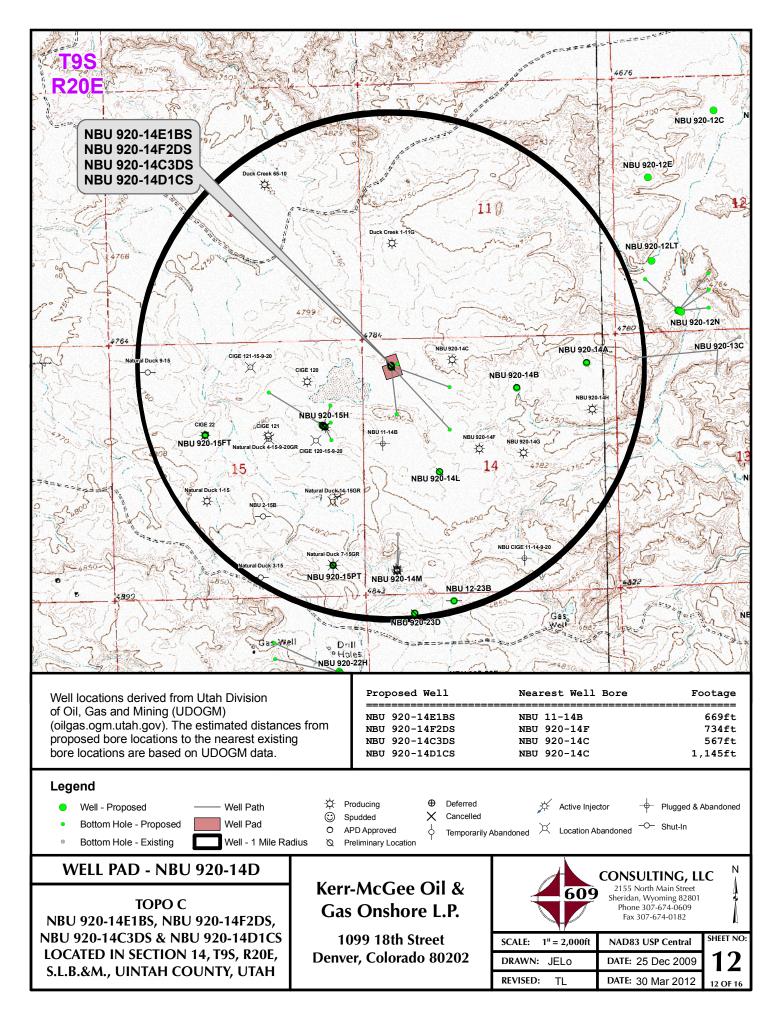


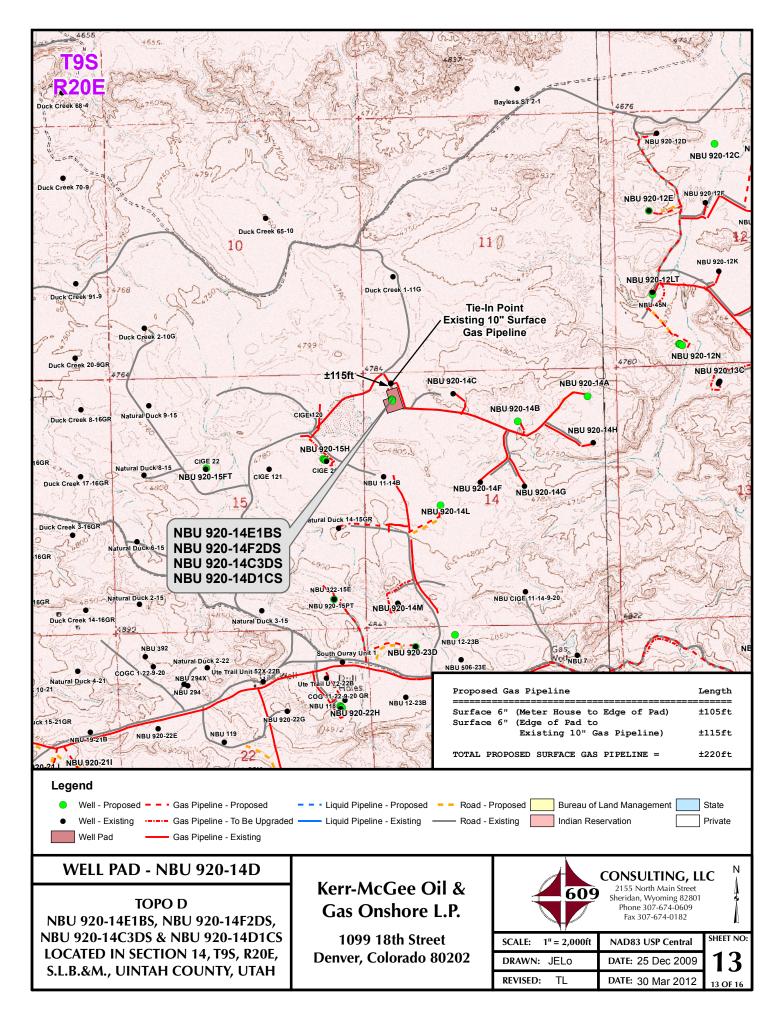
CONSULTING, LLC 2155 North Main Street Sheridan WY 82801 Phone 307-674-0609 Fax 307-674-0182

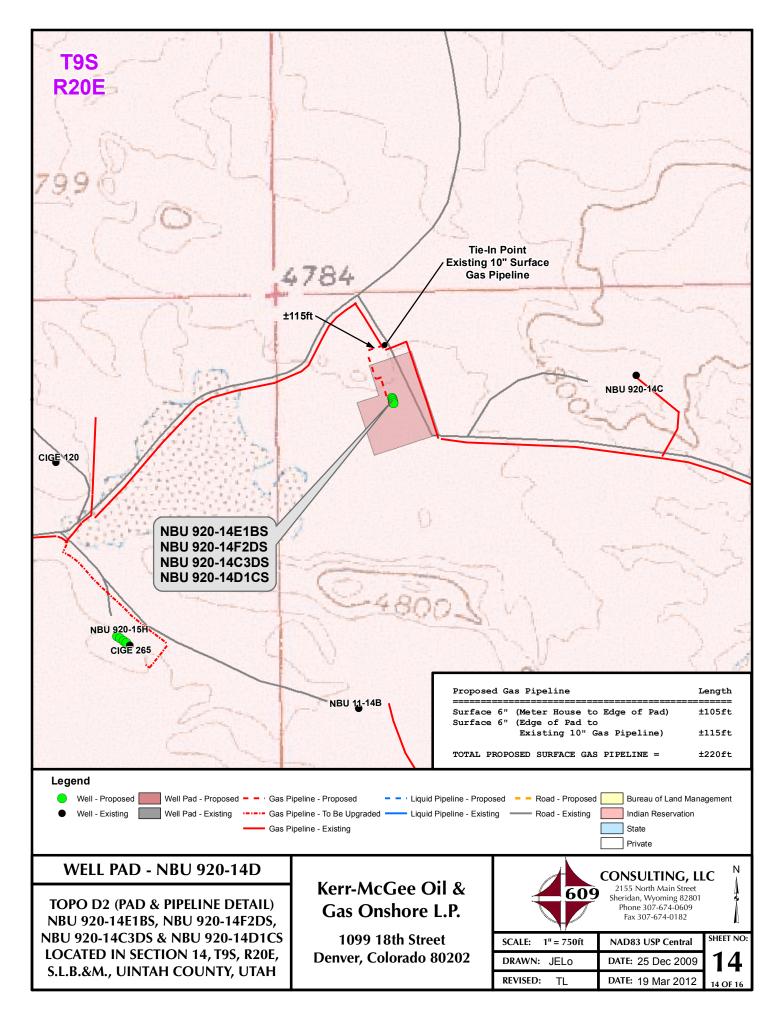
1	TIMBERLIN	JE (4	35) 789-1365
	ENGINEERING	· /	
	209 NORTH 300	078	
	DATE PHOTOS TAKEN: 7-01-09	PHOTOS TAKEN BY: A.F.	SHEET NO:
	DATE DRAWN: 7-06-09	DRAWN BY: T.J.R.	9
	Date Last Revised: 3-15-12 T.J.R.		9 OF 16

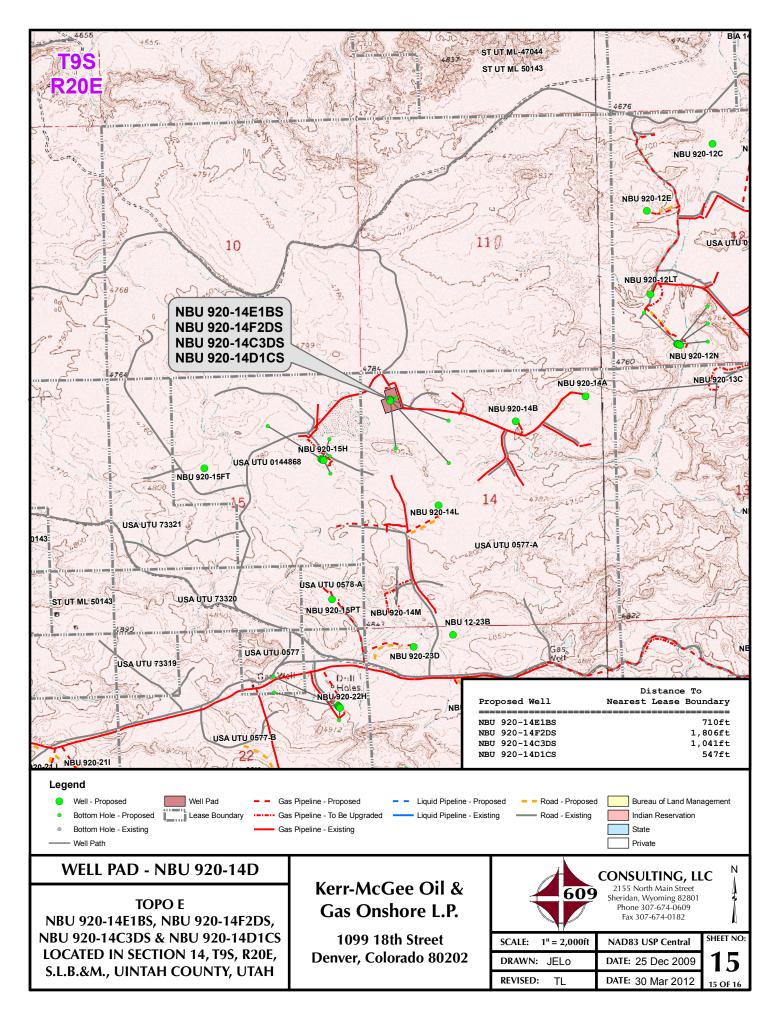












Kerr-McGee Oil & Gas Onshore, LP WELL PAD - NBU 920-14D WELLS – NBU 920-14 E1BS, NBU 920-14F2DS, NBU 920-14C3DS, & NBU 920-14D1CS Section 14, T9S, R20E, S.L.B.&M.

Proceed in a westerly direction from Vernal, Utah along U.S. Highway 40 approximately 13.9 miles to the junction of State Highway 88. Exit left and proceed in a southerly direction along State Highway 88 approximately 16.8 miles to Ouray, Utah. From Ouray, proceed in a southerly direction along the Seep Ridge Road (County B Road 2810) approximately 5.3 miles to the intersection of an existing road to the northeast. Exit left and proceed in a northeasterly direction along the existing road approximately 1.3 miles to the intersection of an existing road to the north. Exit left and proceed in a northerly, then northeasterly direction along the existing road approximately 1.7 miles to an existing access road to the southeast. Exit right and proceed in a southeasterly direction approximately 0.1 miles to the proposed well location.

Total distance from Vernal, Utah to the proposed well location is approximately 39.1 miles in a southerly direction.

SHEET 16 OF 16

API Well Number: 43047 520 2000 UTA 0 - UTM (feet), NAD27, Zone 12N

Scientific Drilling Rocky Mountain Operations

+E/-W

1175.08

1175.08

1190.08

1190.08

+N/-S -1311.94

-1311.94

get center

center

+N/-S

5806.00

5806.00

nlan hits ta

10733.00

plan hits target center

DTGT

TOC

SEGO

Site: NBU 920-14D PAD Well: NBU 920-14F2DS

Wellbore: OH

WELL DETAILS: NBU 920-14F2DS

GL 4775 & KB 4 @ 4779.00ft (ASSUMED)

DESIGN TARGET DETAILS

Easting 2022063.45

2022063.45

2022078.83

2022078.83

Easting 2020868.48

Northing

14542608.42

14542608.42

14542583.65

5.11ft at 11083.11ft MD (10733.03 TVD, -1332.56 N, 1187.45 E)

Northing 14543902.26

Design: PLAN #1 PRELIMINARY

Latittude 40.041068

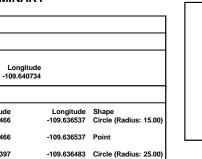
Latitude

40.037466

40.037466

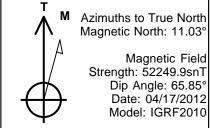
40.037397

40.037397



-109.636483 Circle (Radius: 100.00





TOC @ 5806.00 NBU 920-14F2DS

1000

0.00

0.00

1492.83

1761.24

1761.24

MDPath

1804.09 2015.94

2693.42

8852.06

11083.08

11237.09

11519.09

1200

DTGT NBU 920-14F2DS

PBHL_NBU 920-14F2DS

Formation

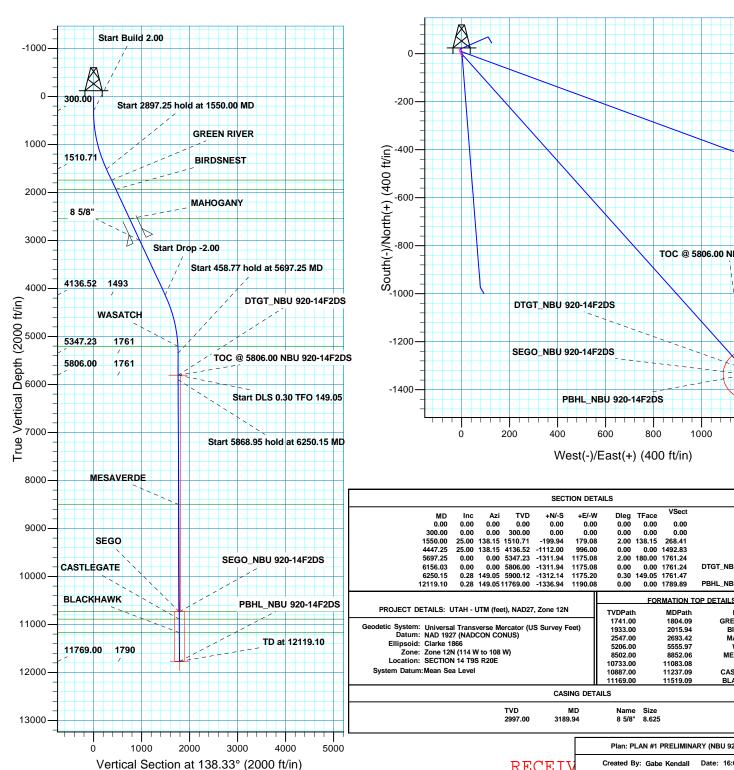
GREEN RIVER BIRDSNEST

MAHOGANY

MESAVERDE

SEGO CASTLEGATE

1400





US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N NBU 920-14D PAD NBU 920-14F2DS

OH

Plan: PLAN #1 PRELIMINARY

Standard Planning Report

17 April, 2012





SDIPlanning Report



Database: EDM 5000.1 Single User Db

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N

 Site:
 NBU 920-14D PAD

 Well:
 NBU 920-14F2DS

Wellbore: OH

Site

Design: PLAN #1 PRELIMINARY

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well NBU 920-14F2DS

GL 4775 & KB 4 @ 4779.00ft (ASSUMED) GL 4775 & KB 4 @ 4779.00ft (ASSUMED)

True

Minimum Curvature

Project UTAH - UTM (feet), NAD27, Zone 12N

Map System: Universal Transverse Mercator (US Survey Feet)

Geo Datum: NAD 1927 (NADCON CONUS)

Map Zone: Zone 12N (114 W to 108 W)

Mean Sea Level

NBU 920-14D PAD, SECTION 14 T9S R20E

Northing: 14,543,901.12 usft Site Position: Latitude: 40.041065 From: Lat/Long Easting: 2,020,865.42 usft Longitude: -109.640745 **Position Uncertainty:** 0.00 ft Slot Radius: **Grid Convergence:** 0.87 13.200 in

System Datum:

Well NBU 920-14F2DS, 593 FNL 620 FWL

 Well Position
 +N/-S
 1.09 ft
 Northing:
 14,543,902.26 usft
 Latitude:
 40.041068

 +E/-W
 3.08 ft
 Easting:
 2,020,868.48 usft
 Longitude:
 -109.640734

Position Uncertainty0.00 ftWellhead Elevation:Ground Level:4,775.00 ft

Wellbore ОН Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (nT) (°) (°) IGRF2010 04/17/12 11.03 65.85 52.250

PLAN #1 PRELIMINARY Design **Audit Notes:** Version: Phase: PLAN Tie On Depth: 0.00 **Vertical Section:** Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.00 0.00 0.00 138.33

lan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,550.00	25.00	138.15	1,510.71	-199.94	179.08	2.00	2.00	0.00	138.15	
4,447.25	25.00	138.15	4,136.52	-1,112.00	996.00	0.00	0.00	0.00	0.00	
5,697.25	0.00	0.00	5,347.23	-1,311.94	1,175.08	2.00	-2.00	0.00	180.00	
6,156.03	0.00	0.00	5,806.00	-1,311.94	1,175.08	0.00	0.00	0.00	0.00	DTGT_NBU 920-14F
6,250.15	0.28	149.05	5,900.12	-1,312.14	1,175.20	0.30	0.30	158.35	149.05	
12,119.10	0.28	149.05	11,769.00	-1,336.94	1,190.08	0.00	0.00	0.00	0.00	PBHL_NBU 920-14F





EDM 5000.1 Single User Db Database: Company: Project:

US ROCKIES REGION PLANNING UTAH - UTM (feet), NAD27, Zone 12N

NBU 920-14D PAD Site: Well: NBU 920-14F2DS

Wellbore: ОН

Design: PLAN #1 PRELIMINARY Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well NBU 920-14F2DS

GL 4775 & KB 4 @ 4779.00ft (ASSUMED) GL 4775 & KB 4 @ 4779.00ft (ASSUMED)

True

Minimum Curvature

ned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2									
400.00	2.00	138.15	399.98	-1.30	1.16	1.75	2.00	2.00	0.00
500.00	4.00	138.15	499.84	-5.20	4.66	6.98	2.00	2.00	0.00
600.00	6.00	138.15	599.45	-11.69	10.47	15.69	2.00	2.00	0.00
700.00	8.00	138.15	698.70	-20.77	18.60	27.88	2.00	2.00	0.00
800.00	10.00	138.15	797.47	-32.42	29.04	43.52	2.00	2.00	0.00
900.00	12.00	138.15	895.62	-46.63	41.77	62.60	2.00	2.00	0.00
1,000.00	14.00	138.15	993.06	-63.39	56.78	85.10	2.00	2.00	0.00
1,100.00	16.00	138.15	1,089.64	-82.67	74.04	110.98	2.00	2.00	0.00
1,200.00	18.00	138.15	1,185.27	-104.44	93.55	140.21	2.00	2.00	0.00
1,300.00	20.00	138.15	1,279.82	-128.69	115.27	172.77	2.00	2.00	0.00
1,400.00	22.00	138.15	1,373.17	-155.39	139.18	208.60	2.00	2.00	0.00
1,500.00	24.00	138.15	1,465.21	-184.49	165.24	247.67	2.00	2.00	0.00
1,550.00	25.00	138.15	1,510.71	-199.94	179.08	268.41	2.00	2.00	0.00
Start 2897.2	5 hold at 1550.00	MD							
1,600.00	25.00	138.15	1,556.03	-215.68	193.18	289.54	0.00	0.00	0.00
1,700.00	25.00	138.15	1,646.66	-247.16	221.37	331.80	0.00	0.00	0.00
1,800.00	25.00	138.15	1,737.29	-278.64	249.57	374.06	0.00	0.00	0.00
1,804.09	25.00	138.15	1,741.00	-279.93	250.72	375.79	0.00	0.00	0.00
GREEN RIVI			,						
1,900.00	25.00	138.15	1,827.92	-310.12	277.77	416.32	0.00	0.00	0.00
2,000.00	25.00	138.15	1,918.55	-341.60	305.96	458.58	0.00	0.00	0.00
2,015.94	25.00	138.15	1,933.00	-346.62	310.46	465.32	0.00	0.00	0.00
BIRDSNEST	•								
2,100.00	25.00	138.15	2,009.18	-373.08	334.16	500.85	0.00	0.00	0.00
2,200.00	25.00	138.15	2,099.81	-404.56	362.36	543.11	0.00	0.00	0.00
2,300.00	25.00	138.15	2,190.44	-436.04	390.55	585.37	0.00	0.00	0.00
2,400.00	25.00	138.15	2,281.07	-467.52	418.75	627.63	0.00	0.00	0.00
2,500.00	25.00	138.15	2,371.70	-499.00	446.94	669.89	0.00	0.00	0.00
2,600.00	25.00	138.15	2,462.34	-530.48	475.14	712.15	0.00	0.00	0.00
2,693.42	25.00	138.15	2,547.00	-559.89	501.48	751.63	0.00	0.00	0.00
MAHOGANY	f								
2,700.00	25.00	138.15	2,552.97	-561.96	503.34	754.42	0.00	0.00	0.00
2,800.00	25.00	138.15	2,643.60	-593.44	531.53	796.68	0.00	0.00	0.00
2,900.00	25.00	138.15	2,734.23	-624.92	559.73	838.94	0.00	0.00	0.00
3,000.00	25.00	138.15	2,824.86	-656.40	587.93	881.20	0.00	0.00	0.00
3,100.00	25.00	138.15	2,915.49	-687.88	616.12	923.46	0.00	0.00	0.00
3,189.94	25.00	138.15	2,997.00	-716.20	641.48	961.47	0.00	0.00	0.00
8 5/8"									
3,200.00	25.00	138.15	3,006.12	-719.36	644.32	965.72	0.00	0.00	0.00
3,300.00	25.00	138.15	3,096.75	-750.84	672.52	1,007.99	0.00	0.00	0.00
3,400.00	25.00	138.15	3,187.38	-782.32	700.71	1,050.25	0.00	0.00	0.00
3,500.00	25.00	138.15	3,278.01	-813.80	728.91	1,092.51	0.00	0.00	0.00
3,600.00	25.00	138.15	3,368.64	-845.29	757.11	1,134.77	0.00	0.00	0.00
3,700.00	25.00	138.15	3,459.27	-876.77	785.30	1,177.03	0.00	0.00	0.00
3,800.00	25.00	138.15	3,549.90	-908.25	813.50	1,219.29	0.00	0.00	0.00
3,900.00	25.00	138.15	3,640.54	-939.73	841.70	1,261.56	0.00	0.00	0.00
4,000.00	25.00	138.15	3,731.17	-971.21	869.89	1,303.82	0.00	0.00	0.00
4,100.00	25.00	138.15	3,821.80	-1,002.69	898.09	1,346.08	0.00	0.00	0.00





EDM 5000.1 Single User Db Database: Company: Project:

US ROCKIES REGION PLANNING UTAH - UTM (feet), NAD27, Zone 12N

NBU 920-14D PAD Site: Well: NBU 920-14F2DS

Wellbore: ОН

Design: PLAN #1 PRELIMINARY Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well NBU 920-14F2DS

GL 4775 & KB 4 @ 4779.00ft (ASSUMED) GL 4775 & KB 4 @ 4779.00ft (ASSUMED)

True

Minimum Curvature

sign:	FLAN#1FRE								
anned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,200.00	25.00	138.15	3,912.43	-1,034.17	926.28	1,388.34	0.00	0.00	0.00
4,300.00 4,400.00	25.00 25.00	138.15 138.15	4,003.06 4,093.69	-1,065.65 -1,097.13	954.48 982.68	1,430.60 1,472.86	0.00 0.00	0.00 0.00	0.00 0.00
4,447.25	25.00	138.15	4,136.52	-1,112.00	996.00	1,492.83	0.00	0.00	0.00
Start Drop -	-2.00								
4,500.00	23.95	138.15	4,184.52	-1,128.28	1,010.58	1,514.68	2.00	-2.00	0.00
4,600.00	21.95	138.15	4,276.61	-1,157.32	1,036.59	1,553.67	2.00	-2.00	0.00
4,700.00	19.95	138.15	4,369.99	-1,183.95	1,060.44	1,589.41	2.00	-2.00	0.00
4,800.00	17.95	138.15	4,464.57	-1,208.13	1,082.10	1,621.88	2.00	-2.00	0.00
4,900.00	15.95	138.15	4,560.23	-1,229.84	1,101.54	1,651.02	2.00	-2.00	0.00
5,000.00	13.95	138.15	4,656.84	-1,249.05	1,118.75	1,676.81	2.00	-2.00	0.00
5,100.00	11.95	138.15	4,754.29	-1,265.73	1,133.69	1,699.21	2.00	-2.00	0.00
5,200.00	9.95	138.15	4,852.47	-1,279.87	1,146.36	1,718.19	2.00	-2.00	0.00
5,300.00	7.95	138.15	4,951.25	-1,291.46	1,156.73	1,733.74	2.00	-2.00	0.00
5,400.00	5.95	138.15	5,050.51	-1,300.46	1,164.80	1,745.83	2.00	-2.00	0.00
5,500.00	3.95	138.15	5,150.13	-1,306.88	1,170.55	1,754.45	2.00	-2.00	0.00
5,555.97	2.83	138.15	5,206.00	-1,309.35	1,172.76	1,757.76	2.00	-2.00	0.00
WASATCH									
5,600.00	1.95	138.15	5,249.99	-1,310.71	1,173.98	1,759.59	2.00	-2.00	0.00
5,697.25	0.00	0.00	5,347.23	-1,311.94	1,175.08	1,761.24	2.00	-2.00	0.00
Start 458.77	7 hold at 5697.25	MD							
5,700.00	0.00	0.00	5,349.97	-1,311.94	1,175.08	1,761.24	0.00	0.00	0.00
5,800.00	0.00	0.00	5,449.97	-1,311.94	1,175.08	1,761.24	0.00	0.00	0.00
5,900.00	0.00	0.00	5,549.97	-1,311.94	1,175.08	1,761.24	0.00	0.00	0.00
6,000.00	0.00	0.00	5,649.97	-1,311.94	1,175.08	1,761.24	0.00	0.00	0.00
6,100.00	0.00	0.00	5,749.97	-1,311.94	1,175.08	1,761.24	0.00	0.00	0.00
		0.00					0.00	0.00	0.00
6,156.03	0.00		5,806.00	-1,311.94	1,175.08	1,761.24	0.00	0.00	0.00
6,200.00	.30 TFO 149.05 - 0.13	149.05	0 -14F2DS - TOC 5,849.97	-1,311.98	1,175.11	1,761.29	0.30	0.30	0.00
6,250.15	0.13	149.05	5,900.12	-1,311.96 -1,312.14	1,175.11	1,761.29	0.30	0.30	0.00
	95 hold at 6250.1		5,555.12	1,012.17	1,170.20	1,701.77	0.00	0.00	0.00
6,300.00	0.28	149.05	5,949.97	-1,312.35	1,175.33	1,761.71	0.00	0.00	0.00
6,400.00	0.28	149.05	6,049.97	-1,312.33	1,175.58	1,762.19	0.00	0.00	0.00
6,500.00	0.28	149.05	6,149.97	-1,313.19	1,175.83	1,762.68	0.00	0.00	0.00
6,600.00	0.28	149.05	6,249.97	-1,313.62	1,176.09	1,763.16	0.00	0.00	0.00
6,700.00	0.28	149.05	6,349.97	-1,314.04	1,176.34	1,763.65	0.00	0.00	0.00
6,800.00	0.28	149.05	6,449.97	-1,314.46	1,176.59	1,764.13	0.00	0.00	0.00
6,900.00	0.28	149.05	6,549.97	-1,314.89	1,176.85	1,764.62	0.00	0.00	0.00
7,000.00	0.28	149.05	6,649.96	-1,315.31	1,177.10	1,765.10	0.00	0.00	0.00
7,100.00	0.28	149.05	6,749.96	-1,315.31 -1,315.73	1,177.10	1,765.10	0.00	0.00	0.00
7,100.00	0.28	149.05	6,849.96	-1,316.15	1,177.61	1,765.56	0.00	0.00	0.00
7,200.00	0.28	149.05	6,949.96	-1,316.58	1,177.86	1,766.55	0.00	0.00	0.00
7,400.00	0.28	149.05	7,049.96	-1,317.00	1,178.11	1,767.04	0.00	0.00	0.00
		149.05	7,149.96						
7,500.00 7,600.00	0.28 0.28	149.05 149.05	7,149.96 7,249.96	-1,317.42 -1,317.84	1,178.37 1,178.62	1,767.52 1,768.01	0.00 0.00	0.00 0.00	0.00 0.00
7,700.00	0.28	149.05	7,249.96 7,349.96	-1,317.64 -1,318.27	1,178.87	1,768.49	0.00	0.00	0.00
7,700.00	0.28	149.05	7,349.96 7,449.96	-1,318.69	1,170.07	1,768.49	0.00	0.00	0.00
7,900.00	0.28	149.05	7,549.95	-1,319.11	1,179.13	1,769.46	0.00	0.00	0.00
8,000.00	0.28	149.05	7,649.95	-1,319.53	1,179.63	1,769.94	0.00	0.00	0.00
8,100.00	0.28	149.05	7,749.95	-1,319.96	1,179.89	1,770.43	0.00	0.00	0.00
8,200.00	0.28	149.05	7,849.95	-1,320.38 1,320.80	1,180.14	1,770.91	0.00	0.00	0.00
8,300.00 8,400.00	0.28 0.28	149.05 149.05	7,949.95 8,049.95	-1,320.80 -1,321.22	1,180.40 1,180.65	1,771.39 1,771.88	0.00 0.00	0.00 0.00	0.00 0.00
0,400.00	0.20	148.00	0,049.90	-1,021.22	1,100.00	1,77 1.00	0.00	0.00	0.00





Database: Company: Project: EDM 5000.1 Single User Db US ROCKIES REGION PLANNING UTAH - UTM (feet), NAD27, Zone 12N

 Site:
 NBU 920-14D PAD

 Well:
 NBU 920-14F2DS

Wellbore: OH

Design: PLAN #1 PRELIMINARY

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well NBU 920-14F2DS

GL 4775 & KB 4 @ 4779.00ft (ASSUMED) GL 4775 & KB 4 @ 4779.00ft (ASSUMED)

True

Minimum Curvature

ed Surve	ev									
Meas Dep (fi	sured pth	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
	500.00	0.28	149.05	8,149.95	-1,321.65	1,180.90	1,772.36	0.00	0.00	0.00
	600.00	0.28	149.05	8,249.95	-1,322.07	1,181.16	1,772.85	0.00	0.00	0.00
	700.00	0.28	149.05	8,349.94	-1,322.49	1,181.41	1,773.33	0.00	0.00	0.00
	800.00	0.28	149.05	8,449.94	-1,322.92	1,181.66	1,773.82	0.00	0.00	0.00
	852.06 SAVERDE	0.28	149.05	8,502.00	-1,323.14	1,181.79	1,774.07	0.00	0.00	0.00
	900.00	0.28	149.05	8,549.94	-1,323.34	1,181.92	1,774.30	0.00	0.00	0.00
	00.000	0.28	149.05	8,649.94	-1,323.76	1,182.17	1,774.78	0.00	0.00	0.00
	100.00	0.28	149.05	8,749.94	-1,324.18	1,182.42	1,775.27	0.00	0.00	0.00
	200.00	0.28	149.05	8,849.94	-1,324.61	1,182.68	1,775.75	0.00	0.00	0.00
9,3	300.00	0.28	149.05	8,949.94	-1,325.03	1,182.93	1,776.24	0.00	0.00	0.00
	400.00	0.28	149.05	9,049.94	-1,325.45	1,183.18	1,776.72	0.00	0.00	0.00
	500.00	0.28	149.05	9,149.93	-1,325.87	1,183.44	1,777.21	0.00	0.00	0.00
	600.00	0.28	149.05	9,249.93	-1,326.30	1,183.69	1,777.69	0.00	0.00	0.00
	700.00	0.28	149.05	9,349.93	-1,326.72	1,183.94	1,778.17	0.00	0.00	0.00
9,8	800.00	0.28	149.05	9,449.93	-1,327.14	1,184.20	1,778.66	0.00	0.00	0.00
9,9	900.00	0.28	149.05	9,549.93	-1,327.56	1,184.45	1,779.14	0.00	0.00	0.00
10,0	00.00	0.28	149.05	9,649.93	-1,327.99	1,184.70	1,779.63	0.00	0.00	0.00
10,1	100.00	0.28	149.05	9,749.93	-1,328.41	1,184.96	1,780.11	0.00	0.00	0.00
10,2	200.00	0.28	149.05	9,849.93	-1,328.83	1,185.21	1,780.60	0.00	0.00	0.00
10,3	300.00	0.28	149.05	9,949.92	-1,329.25	1,185.47	1,781.08	0.00	0.00	0.00
4,10	400.00	0.28	149.05	10,049.92	-1,329.68	1,185.72	1,781.56	0.00	0.00	0.00
10,5	500.00	0.28	149.05	10,149.92	-1,330.10	1,185.97	1,782.05	0.00	0.00	0.00
10,€	600.00	0.28	149.05	10,249.92	-1,330.52	1,186.23	1,782.53	0.00	0.00	0.00
10,7	700.00	0.28	149.05	10,349.92	-1,330.95	1,186.48	1,783.02	0.00	0.00	0.00
10,8	800.00	0.28	149.05	10,449.92	-1,331.37	1,186.73	1,783.50	0.00	0.00	0.00
10,9	900.00	0.28	149.05	10,549.92	-1,331.79	1,186.99	1,783.98	0.00	0.00	0.00
11,0	00.00	0.28	149.05	10,649.92	-1,332.21	1,187.24	1,784.47	0.00	0.00	0.00
11,0	083.09	0.28	149.05	10,733.00	-1,332.56	1,187.45	1,784.87	0.00	0.00	0.00
SEG										
	083.11	0.28	149.05	10,733.03	-1,332.56	1,187.45	1,784.87	0.00	0.00	0.00
		20-14F2DS	140.05	10 740 00	1 222 64	1 107 10	1 704 05	0.00	0.00	0.00
,	100.00	0.28	149.05	10,749.92	-1,332.64	1,187.49	1,784.95	0.00		0.00
	200.00	0.28	149.05	10,849.91	-1,333.06	1,187.75	1,785.44	0.00	0.00	0.00
	237.09	0.28	149.05	10,887.00	-1,333.22	1,187.84	1,785.62	0.00	0.00	0.00
	TLEGATI			100:55	4.000 10		4 707 00			
	300.00	0.28	149.05	10,949.91	-1,333.48	1,188.00	1,785.92	0.00	0.00	0.00
	400.00	0.28	149.05	11,049.91	-1,333.90	1,188.25	1,786.41	0.00	0.00	0.00
	500.00	0.28	149.05	11,149.91	-1,334.33	1,188.51	1,786.89	0.00	0.00	0.00
11,5	519.09	0.28	149.05	11,169.00	-1,334.41	1,188.56	1,786.98	0.00	0.00	0.00
	CKHAW									
	600.00	0.28	149.05	11,249.91	-1,334.75	1,188.76	1,787.37	0.00	0.00	0.00
	700.00	0.28	149.05	11,349.91	-1,335.17	1,189.01	1,787.86	0.00	0.00	0.00
,	800.00	0.28	149.05	11,449.91	-1,335.59	1,189.27	1,788.34	0.00	0.00	0.00
11,9	900.00	0.28	149.05	11,549.91	-1,336.02	1,189.52	1,788.83	0.00	0.00	0.00
12,0	00.00	0.28	149.05	11,649.90	-1,336.44	1,189.77	1,789.31	0.00	0.00	0.00
12,1	100.00	0.28	149.05	11,749.90	-1,336.86	1,190.03	1,789.80	0.00	0.00	0.00
	119.10	0.28	149.05	11,769.00	-1,336.94	1,190.08	1,789.89	0.00	0.00	0.00





Database: Company: Project: EDM 5000.1 Single User Db US ROCKIES REGION PLANNING UTAH - UTM (feet), NAD27, Zone 12N

 Site:
 NBU 920-14D PAD

 Well:
 NBU 920-14F2DS

Wellbore: OH

Design: PLAN #1 PRELIMINARY

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well NBU 920-14F2DS

GL 4775 & KB 4 @ 4779.00ft (ASSUMED) GL 4775 & KB 4 @ 4779.00ft (ASSUMED)

True

Minimum Curvature

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
DTGT_NBU 920-14F2D - plan hits target cen - Circle (radius 15.00		0.00	5,806.00	-1,311.94	1,175.08	14,542,608.41	2,022,063.45	40.037466	-109.636537
TOC @ 5806.00 NBU 92 - plan hits target cen - Point		0.00	5,806.00	-1,311.94	1,175.08	14,542,608.41	2,022,063.45	40.037466	-109.636537
SEGO_NBU 920-14F2D - plan misses target - Circle (radius 25.00	center by 5.11	0.00 Ift at 11083.	10,733.00 11ft MD (107	-1,336.94 733.03 TVD, -1	1,190.08 1332.56 N, 11	14,542,583.64 87.45 E)	2,022,078.82	40.037397	-109.636483
PBHL_NBU 920-14F2DS - plan hits target cen - Circle (radius 100.0	ter	0.00	11,769.00	-1,336.94	1,190.08	14,542,583.64	2,022,078.82	40.037397	-109.636483

Casing Points						
	Measured	Vertical		Casing	Hole	
	Depth	Depth		Diameter	Diameter	
	(ft)	(ft)	Name	(in)	(in)	
	3,189.94	2,997.00 8 5/8"		8.625	11.000	

Formations							
	Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
	1,804.09	1,741.00	GREEN RIVER				
	2,015.94	1,933.00	BIRDSNEST				
	2,693.42	2,547.00	MAHOGANY				
	5,555.97	5,206.00	WASATCH				
	8,852.06	8,502.00	MESAVERDE				
	11,083.09	10,733.00	SEGO				
	11,237.09	10,887.00	CASTLEGATE				
	11,519.09	11,169.00	BLACKHAWK				

Plan Annotations				
Measured	Vertical	Local Coor	dinates	
Depth (ft)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
300.00	300.00	0.00	0.00	Start Build 2.00
1,550.00	1,510.71	-199.94	179.08	Start 2897.25 hold at 1550.00 MD
4,447.25	4,136.52	-1,112.00	996.00	Start Drop -2.00
5,697.25	5,347.23	-1,311.94	1,175.08	Start 458.77 hold at 5697.25 MD
6,156.03	5,806.00	-1,311.94	1,175.08	Start DLS 0.30 TFO 149.05
6,250.15	5,900.12	-1,312.14	1,175.20	Start 5868.95 hold at 6250.15 MD
12,119.10	11,769.00	-1,336.94	1,190.08	TD at 12119.10

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 1 of 11

Kerr-McGee Oil & Gas Onshore. L.P.

NBU 920-14D PAD

<u>API #</u>		NBU 920-14C3DS		
	Surface:	584 FNL / 617 FWL	NWNW	Lot
	BHL:	1041 FNL / 1827 FWL	NENW	Lot
API #4304750145	_	NBU 920-14D1CS		
	Surface:	574 FNL / 614 FWL	NWNW	Lot
	BHL:	547 FNL / 746 FWL	NWNW	Lot
<u>API #</u>		NBU 920-14E1BS		
	Surface:	603 FNL / 623 FWL	NWNW	Lot
	BHL:	1592 FNL / 710 FWL	SWNW	Lot
<u>API #</u>	_	NBU 920-14F2DS		
	Surface:	593 FNL / 620 FWL	NWNW	Lot
	BHL:	1924 FNL / 1806 FWL	SENW	Lot

This Surface Use Plan of Operations (SUPO) or 13-point plan provides site-specific information for the above-referenced wells.

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, these wells will be directionally drilled. Refer to Topo Map A for directions to the location and Topo Maps A and B for location of access roads within a 2-mile radius.

An on-site meeting was held on September 11, 2008. This Application for Permit to Drill (APD) is being filed in accordance with Environmental Assessment No. U&O-FY10-Q2-025, and Grant of Easement for Right-of-Way No. H62-2012-074.

A. Existing Roads:

Existing roads consist of county and improved/unimproved access roads (two-tracks). In accordance with Onshore Order #1, Kerr-McGee will, in accordance with BMPs, improve or maintain existing roads in a condition that is the same as or better than before operations began. New or reconstructed proposed access roads are discussed in Section B.

The existing roads will be maintained in a safe and usable condition. Maintenance for existing roads will continue until final abandonment and reclamation of well pads and/or other facilities, as applicable. Road maintenance will include, but is not limited to, blading, ditching, and/or culvert installation and cleanout. To ensure safe operating conditions, gravel surfacing will be performed where excessive rutting or erosion may occur. Dust control will be performed as necessary to ensure safe operating conditions.

Roads, gathering lines and electrical distribution lines will occupy common disturbance corridors where possible. Where available, roadways will be used as the staging area and working space for installation of gathering lines. All disturbances located in the same corridor will overlap each other to the maximum extent possible, while maintaining safe and sound construction and installation practices. Unless otherwise approved or requested in site specific

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 2 of 11

documents, in no case will the maximum disturbance widths of the access road and utility corridors exceed the widths specified in Part D of this document.

Please refer to Topo B, for existing roads.

B. New or Reconstructed Access Roads:

All new or reconstructed roads will be located, designed, and maintained to meet the standards of the BIA.

Each new well pad or pad expansion may require construction of a new access road and/or de-commissioning of an older road. Plans, routes, and distances for new roads and road improvements are provided in design packages, exhibits and maps for a project. Project-specific maps are submitted to depict the locations of existing, proposed, and/or decommissioned and include the locations for supporting structures, including, but not limited to, culverts, bridges, low water crossings, range infrastructure, and haul routes, as per OSO 1. Designs for cuts and fills, including spoils source and storage areas, are provided with the road designs, as necessary.

Where safety objectives can be met. As applicable, Kerr-McGee may use unimproved and/or two-track roads for lease operations, to lessen total disturbance.

Road designs will be based on the road safety requirements, traffic characteristics, environmental conditions, and the vehicles the road is intended to carry. Generally, newly constructed unpaved lease roads will be crowned and ditched with the running surfaces of the roads approximately 12-18 feet wide and a total road corridor width not to exceed 45 feet, except where noted in the road design for a specific project. Maximum grade will generally not exceed 8%. Borrow ditches will be back sloped 3:1 or less. Construction BMPs will be employed to control onsite and offsite erosion.

Where topography would direct storm water runoff to an access road or well pad, drainage ditches or other common drainage control facilities, such as V- or wing-ditches, will be constructed to divert surface water runoff. Drainage features, including culverts, will be constructed or installed prior to commencing other operations, including drilling or facilities placement. Riprap will be placed at the inlet and outlet at the culvert(s), as necessary.

Prior to construction, new access road(s) will be staked according to the requirements of OSO 1. Construction activity will not be conducted using frozen or saturated materials or during periods when significant watershed damage (e.g. rutting, extensive sheet soil erosion, formation of rills/gullies, etc.) is likely to occur. Vegetative debris will not be placed in or under fill embankments.

New road maintenance will include, but is not limited to, blading, ditching, culvert installation and cleanout, gravel surfacing where excessive rutting or erosion may occur and dust control, as necessary to ensure safe operating conditions. All vehicular traffic, personnel movement, construction/restoration operations will be confined to the approved area and to existing roadways and/or access routes.

Snow removal will be conducted on an as-needed basis to accommodate safe travel. Snow removal will occur as necessary throughout the year, as will necessary drainage ditch construction. Removed snow may be stored on permitted well pads to reduce hauling distances and/or at the aerial extent of approved disturbance boundaries to facilitate snow removal for the remainder of the season.

If a county road crossing or encroachment permit is needed, it will be obtained prior to construction.

There are no new access roads associated with this well pad.

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 3 of 11

C. Location of Existing Wells:

A) Refer to Topo Map C.

D. Location of Existing and/or Proposed Facilities:

This is a new pad; therefore does not have any existing facilities. Gathering (pipeline) infrastructure will be utlized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee Oil and Gas Onshore (Kerr-McGee).

Should the well(s) prove productive, production facilities will be installed on the disturbed portion of each well pad. A berm will be constructed completely around production components (typically excluding dehy's and/or separators) that contain fluids (i.e. production tanks, produced liquids tanks). The berms will generally be constructed of compacted subsoil or corrugated metal, and will hold the capacity of the largest tank and have sufficient freeboard to accommodate a 25 year rainfall event. This includes pumping units. Aboveground structures constructed or installed onsite for 6 months or longer, will be painted a flat, non-reflective, earth-tone color chosen at the onsite (typically Shadow Gray). A production facility layout is provided as part of a project-specific APD, ROW or NOS submission.

GAS GATHERING

Please refer to Topo D2- Pad and Pipeline Detail.

The gas gathering pipeline material: Steel line pipe. Surface = Bare pipe. Buried = Coated with fusion bonded epoxy coating (or equivalent). The total gas gathering pipeline distance from the meter to the tie in point is ± 220 ' and the individual segments are broken up as follows:

The following segments will require a ROW and have been submitted/approved under a different cover from the Ute Indian Tribe.

±220' (0.04 miles) – Section 14 T9S R20E (NW/4) – On-lease UTU0577-A Ute Indian Tribe surface, New 6" buried gas gathering pipeline from the meter to the existing 10" gas pipeline. Please refer to Topo D2 - Pad and Pipeline Detail.

Pipeline Gathering Construction

Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee. Gas gathering pipeline(s,) gas lift, or liquids pipelines may be constructed to lie on the surface or be buried. Where the pipeline is adjacent to the road or well pad, the road and/or well pad will be utilized for construction activities and staging. The area of disturbance during construction from the edge of road or well pad will typically be 30' in width. Where pipelines run cross country, the width of disturbance will typically be 45 ft for buried lines and 30 ft for surface lines. In addition, Kerr-McGee requests for a permanent 30' disturbance width that will be maintained for the portion adjacent to the road. The need for the 30' permanent disturbance width is for maintenance and repairs. Cross country permanent disturbance width also are required to be 30ft.

Above-ground installation will generally not require clearing of vegetation or blading of the surface, except where safety considerations necessitate earthwork. In some surface pipeline installation instances pipe cannot be constructed where it will lay. In these cases where an above-ground pipeline is constructed parallel and adjacent to a road, it will be welded/fused on the road and then lifted from the road to the pipeline route. In other cases where a pipeline route is not parallel and adjacent to a road (cross-country between sites), it will be welded/fused in place at a well pad, access road, or designated work area and pulled between connection locations with a suitable piece of equipment.

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 4 of 11

Buried pipelines will generally be installed parallel and adjacent to existing and/or newly constructed roads and within the permitted disturbance corridor. Buried pipelines may vary from 2 inches (typically fuel gas lines) to 24 inches (typically transportation lines) in diameter, but 6 to 16 inches is typical for a buried gas line. The diameter of liquids pipelines may vary from 2 inches to 12 inches, but 6 inches is the typical diameter. Gas lift lines may vary from 2 to 12 inches in diameter, but 6-inch diameter pipes are generally used for gas lift. If two or more pipelines are present (gas gathering, gas lift, and fluids), they will share a common trench where possible.

Typically, to install a buried pipeline, topsoil will be removed, windrowed and placed on the non-working side of the route for later reclamation. Because working room is limited, the spoil may be spread out across the working side and construction will take place on the spoil. The working side of the corridor will be used for pipe stringing, bending, welding and equipment travel. Small areas on the working side displaying ruts or uneven ground will be groomed to facilitate the safe passage of equipment. After the pipelines are installed, spoil will be placed back into the trench, and the topsoil will be redistributed over the disturbed corridor prior to final reclamation. Typical depth of the trench will be 6 feet, but depths may vary according to site-specific conditions (presence of bedrock, etc.). The proposed trench width for the pipeline would range from 18-48 inches.

The pipeline will be welded along the proposed route and lowered into place. Trenching equipment will cut through the soil or into the bedrock and create good backfill, eliminating the need to remove large rocks. The proposed buried pipeline will be visually and radiographically inspected and the entire pipeline will be pneumatically or hydrostatically tested before being placed into service. Routine vehicle traffic will be prevented from using pipeline routes as travel ways by posting signs at the route's intersection with an access road.

The liquid gathering lines will be made of polyethylene or a composite polyethylene/steel or polyethylene/fiberglass that is not subject to internal or external pipe corrosion. The content of the produced fluids to be transferred by the liquid gathering system will be approximately 92% produced water and 8% condensate. Trunk line valve connections for the water gathering system will be below ground but accessible from the surface in order to prevent freezing during winter time.

If pipelines or roads encounter a drainage that could be subject to flooding or surface water during extreme precipitation events, Kerr-McGee will apply all applicable Army Corps mandates as well as the BLM's Hydraulic Considerations for Pipeline Crossings of Stream Channels (BLM Technical Note 423, April 2007). In addition, all stream and drainage crossings will be evaluated to determine the need for stream alteration permits from the State of Utah Division of Water Rights and if necessary, required permits will be secured. Similarly, where a road or pipeline crossing exists the pipe will be butt welded and buried to a depth between 24 and 48 inches or more. Dirt roads will be cut and restored to a condition equivalent to the existing condition. All Uintah County road encroachment and crossing permits, where applicable, will be obtained prior to crossing construction. In no case will pressure testing of pipelines result in discharge of liquids to the surface.

Pipeline signs will be installed along the route to indicate the pipeline proximity, ownership, and to provide emergency contact phone numbers. Above ground valves and lateral T's will be installed at various locations for production integrity and safety purposes.

Upon completion of the proposed buried pipeline, the entire area of disturbance will be reclaimed to the standards proposed in the Green River District Reclamation Guidelines. Please refer to section J for more details regarding final reclamation.

When no longer deemed necessary by the operator, Kerr-McGee or it's successor will consult with the Vernal BIA Office before terminating of the use of the pipeline(s).

E. Location and Types of Water Supply:

Water for drilling and completion operations will be obtained from the following sources:

Permit # 49-2307	JD Field Services	Green River- Section 15, T2N, R22E
Permit # 49-2321	R.N. Industries	White River- Section 2, T10S, R24E
Permit # 49-2319	R.N. Industries	White River- Various Sources
Permit # 49-2320	R.N. Industries	Green River- Section 33, T8S, R23E

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 5 of 11

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

F. Construction Materials:

Construction operations will typically be completed with native materials found on location. Construction materials that must be imported to the site (mineral material aggregate, soils or materials suitable for fill/surfacing) will be obtained from a nearby permitted source (described in site-specific documents). No construction materials will be removed from Tribal lands without prior approval from the BIA. A source location other than an on-location construction site will be designated either via a map or narrative within the project specific materials provided to the BIA.

G. Methods for Handling Waste:

All wastes subject to regulation will be handled in compliance with applicable laws to minimize the potential for leaks or spills to the environment. Kerr-McGee also maintains a Spill Control and Countermeasure Plan, which includes notification requirements, including the BIA, for all reportable spills of oil, produced liquids, and hazardous materials.

Any accidental release, such as a leak or spill in excess of the reportable quantity, as established by 40 CFR Part 117.3, will be reported as per the requirements of CERCLA, Section 102 B. If a release involves petroleum hydrocarbons or produced liquids, Kerr-McGee will comply with the notification requirements of NTL-3A. Drill cuttings and/or drilling fluids will be contained in the reserve/frac pit whether a closed loop system is used or not. Cuttings will be buried in pit(s) upon closure. Unless specifically approved by the BIA, no oil or other oil-based drilling additives, chromium/metals-based, or saline muds will be used during drilling. Only fresh water (as specified above), biodegradable polymer soap, bentonite clay, and/or non-toxic additives will be used in the mud system.

Pits will be constructed to minimize the accumulation of surface precipitation runoff into the pit (via appropriate placement of subsoil storage areas and/or construction of berms, ditches, etc.). Should unexpected liquid petroleum hydrocarbons (crude oil or condensate) be encountered during drilling, completions or well testing, liquid petroleum hydrocarbons will either be contained in test tanks on the well site or evacuated by vacuum trucks and transported to an approved disposal/sales facility. Should petroleum hydrocarbons unexpectedly be released into a pit, they will be removed as soon as practical but in no case will they remain longer than 72 hours unless an alternate is approved by the BIA. Should timely removal not be feasible, the pit will be netted as soon as practical. Similarly, hydrocarbon removal will take place prior to the closure of the pit, unless authorization is provided for disposal via alternate pit closure methods (e.g. solidification).

The reserve and/or fracture stimulation pit will be lined with an impermeable liner. The liner will be a synthetic material 30 mil or thicker. The bottom and side walls of the pit will be void of any sharp rocks that could puncture the liner. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, bentonite, straw, etc.) that could damage the liner. After evaporation and when dry, the reserve pit liners will be cut off, ripped and/or folded back (as safety considerations allow) as near to the mud surface as possible and buried on location or hauled to a landfill prior to backfilling the pit with a minimum of five feet of soil material.

Where necessary and if conditions (freeboard, etc.) allow, produced liquids from newly completed wells may be temporarily disposed of into pits for a period not to exceed 90 days as per Onshore Order Number 7 (OSO 7). Subsequently, permanent approved produced water disposal methods will be employed in accordance with OSO 7 and/or as described in a Water Management Plan (WMP). Otherwise, fluids disposal locations and associated haul routes, for ROW consideration, are typically depicted on Topo A of individual projects. Revisions to the water source or method of transportation will be subject to written approval from the BIA.

Any additional pits necessary for subsequent operations, such as temporary flare or workover pits, will be contained within the originally approved well pad and disturbance boundaries. Such temporary pits will be backfilled and reclaimed within 180 days of completion of work at a well location.

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 6 of 11

Pits containing drilling cuttings, mud, and/or completions fluids will be allowed to dry. Any free fluids remaining after one year from reaching total depth, date of completion, and/or determination of inactivity will be removed (as weather conditions allow) to an approved site and the pit reclaimed. Installation and operation of any sprinklers, pumps, and equipment will ensure that water spray or mist does not drift.

No garbage or non-exempt substances as defined by Resource Conservation and Recovery Act (RCRA) subtitle C will be placed in the reserve pit. All refuse (trash and other solid waste including cans, paper, cable, etc.) generated during construction, drilling, completion, and well testing activities will be contained in an enclosed receptacle, removed from the drill locations promptly, and transported to an approved disposal facility. Immediately after removal of the drilling rig, all debris and other waste materials not contained within trash receptacles will be collected and removed from the well location.

For the protection of livestock and wildlife, all open pits (excluding flare pits) will be fenced to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as to keep the fence tight at all times. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet. Siphons, catchments, and absorbent pads will be installed to keep hydrocarbons produced by the drilling rig or other equipment on location from entering the reserve pit. Hydrocarbons, contaminated pads, and/or soils will be disposed of in accordance with state and federal requirements.

Portable, self-contained chemical toilets and/or sewage processing facilities will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. All applicable regulations pertaining to disposal of human and solid waste will be observed.

Materials Management

Hazardous materials above reportable quantities will not be produced by drilling or completing proposed wells or constructing the pipelines/facilities. The term "hazardous materials" as used here means: (1) any substance, pollutant, or containment listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended 42 U.S.C. 9601 et seq., and the regulations issued under CERCLA; and (2) any hazardous waste as defined in RCRA of 1976, as amended. In addition, no extremely hazardous substance, as defined in 40 CFR 355, in threshold planning quantities, would be used, produced, stored, transported, or disposed of while producing any well.

Hazardous materials may be contained in some grease or lubricants, solvents, acids, paint, and herbicides, among others as defined above. Kerr-McGee maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances that are used during the course of construction, drilling, completion, and production operations for this project. The transport, use, storage and handling of hazardous materials will follow procedures specified by federal and state regulations. Transportation of hazardous materials to the well location is regulated by the Department of Transportation (DOT) under 49 CFR, Parts 171-180. DOT regulations pertain to the packing, container handling, labeling, vehicle placarding, and other safety aspects.

Potentially hazardous materials used in the development or operation of wells will be kept in limited quantities on well sites and at the production facilities for short periods of time. Chemicals meeting the criteria for being an acutely hazardous material/substance or meet the quantities criteria per BLM Instruction Memorandum No. 93-344 will not be used.

Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act (SARA) in quantities of 10,000 pounds or more may be produced and/or stored at production facilities (crude oil/condensate, produced water). They may also be kept in limited quantities on drilling sites (barite, diesel fuel, cement, cottonseed hulls etc.) for short periods of time during drilling or completion activities.

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 7 of 11

Fluids disposal and pipeline/haul routes are depicted on Topo Map A.

Any produced water separated from recoverable condensate from the proposed well will be contained in a water tank and will then be transported by pipeline and/or truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E NBU #159 in Sec. 35 T9S R21E Ace Oilfield in Sec. 2 T6S R20E MC&MC in Sec. 12 T6S R19E Pipeline Facility in Sec. 36 T9S R20E

Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E

Bonanza Evaporation Pond in Sec. 2 T10S R23E

Or to one of the following Kerr-McGee active Salt Water Disposal (SWD) wells:

NBU 159 SWD in Sec. 35 T9S R21E CIGE 112D SWD in Sec. 19 T9S R21E CIGE 114 SWD in Sec. 34 T9S R21E NBU 921-34K SWD in Sec. 34 T9S R21E NBU 921-33F SWD in Sec. 34 T9S R21E

H. Ancillary Facilities:

No additional ancillary facilities are planned for this location.

I. Well Site Layout:

The location, orientation and aerial extent of each drill pad, reserve/completion/flare pit (for closed loop or non-closed loop operations), access road ingress/egress points, drilling rig, dikes/ditches, existing wells/infrastructure, proposed cuts and fills, and topsoil and spoil material stockpile locations are depicted on the exhibits for each project, where applicable. Site-specific conditions may require slight deviation in actual equipment depending on whether a closed loop system is used. Surface distance may be less if using closed loop. But in either case, the area of disturbance will not exceed the maximum disturbance outlined in the attached exhibits.

For the protection of livestock and wildlife, all open pits and cellars will be fenced to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as to keep the fence tight at all times. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

Each well will utilize either a centralized tank battery, centralized fluids management system, or have tanks installed on its pad. Production/ Produced Liquid tanks will be constructed, maintained, and operated to prevent unauthorized surface or subsurface discharges of liquids and to prevent livestock or wildlife entry. The tanks will be kept reasonably free from surface accumulations of liquid hydrocarbons. The tanks are not to be used for disposal of liquids from additional sources without prior approval of BIA.

J. Plans for Surface Reclamation:

The surface reclamation will be undertaken in two phases: interim and final. Interim reclamation is conducted following well completion and extends through the period of production. Interim reclamation is for the area of the well pad that is not required for production activities. Final reclamation is conducted following well plugging/conversion and/or facility abandonment processes.

RECEIVED: July 17, 2012

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 8 of 11

Reclamation activities in both phases may include but is not limited to the re-contouring or re-configuration of topographic surfaces, restoration of drainage systems, segregation of spoils materials, minimizing surface disturbance, re-evaluating backfill requirements, pit closure, topsoil redistribution, soil treatments, seeding and weed control.

Interim Reclamation

Interim reclamation may include pit evaporation, fluid removal, pit solidification, re-contouring, ripping, spreading top soil, seeding, and/or weed control. Interim reclamation will be performed in accordance with OSO 1, or written notification will be provided to the BIA for approval. Where feasible, drilling locations, reserve pits, or access routes not utilized for production operations will be re-contoured to a natural appearance.

Interim re-contouring involves bringing all construction material from cuts and fills back onto the well pad and site and reestablishing the natural contours where desirable and practical. Fill and stockpiled spoils no longer necessary to the operation will be spread on the cut slopes and covered with stockpiled topsoil. All stockpiled top soils will be used for interim reclamation where practical to maintain soil viability. Where possible, the land surface will be left "rough" after re-contouring to ensure that the maximum surface area will be available to support the reestablishment of vegetative cover.

A reserve pit, upon being allowed to dry, will be backfilled and compacted with cover materials that are void of any topsoil, vegetation, large stones, rocks or foreign objects. Soils that are moisture laden, saturated, or partially/completely frozen will not be used for backfill or cover. The pit area will be mounded to allow for settling and to promote positive surface drainage away from the pit. Disposal of pit fluids and linings is discussed in Section G.

Final Reclamation

Final reclamation will be performed for unproductive wells and after the end of the life of a productive well. As soon as practical after the conclusion of drilling and testing operations, unproductive drill holes will be plugged and abandoned (P&A). Site and road reclamation will commence following plugging. In no case will reclamation at non-producing locations be initiated later than six (6) months from the date a well is plugged. A joint inspection of the disturbed area to be reclaimed may be requested by Kerr-McGee. The primary purpose of this inspection will be to review the existing conditions, or agree upon a revised final reclamation and abandonment plan. The BIA will be notified prior to commencement of reclamation operations. A Notice of Intent to Abandon will be filed for final recommendations regarding surface reclamation.

After plugging, all wellhead equipment that is no longer needed will be removed, and the well site will be reclaimed. Final contouring will blend with and follow as closely as practical the natural terrain and contours of the original site and surrounding areas. After re-contouring the site to the approximate contour that existed prior to pad construction, final grading will be conducted over the entire surface of the well site and access road. The area will be ripped to a depth of 18 to 24 inches on 18 to 24-inch centers, where practical. The surface soil material will be pitted with small depressions to form longitudinal depressions 12 to 18 inches deep, where practical. The entire area will be uniformly covered with the depressions constructed perpendicular to the natural flow of water.

Reclamation of roads will be performed at the discretion of the BIA/Tribe. All unnecessary surface equipment and structures (e.g. cattle guards) and water control structures (e.g. culverts, drainage pipes) not needed to facilitate successful reclamation will be removed during final reclamation. Roads that will be reclaimed will be ripped to a depth of 18 inches where practical, re-contoured to approximate the original contour of the ground and seeded in accordance with the seeding specifications as proposed below in "Measures Common to Interim and Final Reclamation".

Upon successfully completing reclamation of a P&A location, a Final Abandonment Notice will be submitted to the BIA/Tribe.

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 9 of 11

Measures Common to Interim and Final Reclamation

Soil preparation will be conducted using a disk for areas in need of more soil preparation following site preparation. This will provide primary soil tillage to a depth no greater than 6 inches. Prior to reseeding, compacted areas will be scarified by ripping or chiseling to loosen compacted soils, promote water infiltration, and improve soil aeration and root penetration.

Seeding will occur year-round as conditions allow and will typically be accomplished through the use of a no-till rangeland style seed drill with a "picker box" in order to seed "fluffy" seed. Where drill seeding is not the preferred method, seed will be broadcast and then raked into the ground at double the rate of drill seeding. Seed mixes appropriate to the native plant community as determined and specified for each project location based on the site specific soils will be used for re-vegetation. The seed mixes will be selected from a list provided by or approved by the BIA/Tribe or a specific seed mix will be proposed by Kerr-McGee to the BIA/Tribe and used after its approval. The selected specific seed mix for each well location and road segment will be utilized while performing interim and final reclamation for each project. All seed will be certified and tags will be maintained by Kerr-McGee. Every effort will be made to obtain "cheat grass free seed".

Seed Mix to be used for Well Site, Access Road, and Pipeline (as applicable):

Indian Ricegrass (Nezpar)	3
Sandberg Bluegrass	0.75
Bottlebrush Squirreltail	1
Great Basin Wildrye	0.5
Crested Wheatgrass	1.5
Winterfat	0.25
Shadscale	1.5
Four-wing Saltbrush	0.75
Forage Kochia	0.25
Total	9.5

Additional soil amendments and/or stabilization may be required on sites with poor soils and/or excessive erosion potential. Where severe erosion can become a problem and/or the use of machinery is not practical, seed will be hand broadcast and raked with twice the specified amount of seed. Slopes will be stabilized using materials specifically designed to prevent erosion on steep slopes and hold seed in place so vegetation can become permanently established. These materials will include, but are not limited to: erosion control blankets, hydro-mulch, and/or bonded fiber matrix at a rate to achieve a minimum of 80 percent soil coverage.

Weed Control

Noxious weeds will be controlled in akk orihect areas un accordance with all applicable rules and regulations.

K. Surface/Mineral Ownership:

Ute Indian Tribe P.O. Box 70 988 South 7500 East Annex Building Fort Duschesne, UT 84026 (435) 722-4307 United States of America Bureau of Land Management 170 South 500 East Vernal, UT 84078 (435)781-4400 NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P.

NBU 920-14D Pad Surface Use Plan of Operations 10 of 11

L. Other Information:

Onsite Specifics:

Construction: 20 Mil Felt

Cultural and Paleontological Resources

All personnel are strictly prohibited from collecting artifacts, any paleontological specimens or fossils, and from disturbing any significant cultural resources in the area. If artifacts, fossils, or any culturally sensitive materials are exposed or identified in the area of construction, all construction operations that would affect the newly discovered resource will cease, and Kerr-McGee will provide immediate notification to the BIA.

Resource Reports:

A Class I literature survey was completed on August 12, 2009 by Montgomery Archaeological Consultants, Inc (MOAC). For additional details please refer to report MOAC 09-131.

A paleontological reconnaissance survey was completed on August 18, 2009 by Intermountain Paleo-Consulting. For additional details please refer to report IPC 09-133.

Biological field survey was completed on June 18 & 22, 2009 by Grasslands Consulting, Inc (GCI). For additional details please refer to report GCI-58.

Proposed Action Annual Emissions Tables:

Table 1: Proposed Action Annual Emissions (tons/year) ¹							
Pollutant	Development	Production	Total				
NOx	3.8	0.12	3.92				
CO	2.2	0.11	2.31				
VOC	0.1	10.94	11.04				
SO_2	0.005	0.00	0.01				
PM_{10}	1.7	0.11	1.81				
PM _{2.5}	0.4	0.03	0.43				
Benzene	2.2E-03	0.08	0.09				
Toluene	1.6E-03	0.13	0.14				
Ethylbenzene	3.4E-04	0.00	0.00				
Xylene	1.1E-03	0.06	0.06				
n-Hexane	1.7E-04	0.34	0.34				
Formaldehyde	1.3E-02	8.64E-05	1.31E-02				

¹ Emissions include 1 producing well and associated operations traffic during the year in which the project is developed

Table 2: Proposed Action versus 2012 WRAP Phase III Emissions Inventory Comparison							
Species	Proposed Action Production Emissions (ton/yr)	WRAP Phase III 2012 Uintah Basin Emission Inventory ^a (ton/yr)	to WRAP Phase				
NOx	15.68	16,547	0.09%				
VOC	44.17156	127,495	0.03%				

a http://www.wrapair.org/forums/ogwg/PhaseIII_Inventory.html

Uintah Basin Data

NBU 920-14C3DS/ 920-14D1CS/ 920-14E1BS/ 920-14F2DS Kerr-McGee Oil Gas Onshore, L.P. NBU 920-14D Pad Surface Use Plan of Operations 11 of 11

M. Lessee's or Operators' Representative & Certification:

Laura Abrams Regulatory Analyst II Kerr-McGee Oil & Gas Onshore LP PO Box 173779 Denver, CO 80217-3779 (720) 929-6356 Tommy Thompson General Manager, Drilling Kerr-McGee Oil & Gas Onshore LP PO Box 173779 Denver, CO 80217-3779 (720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

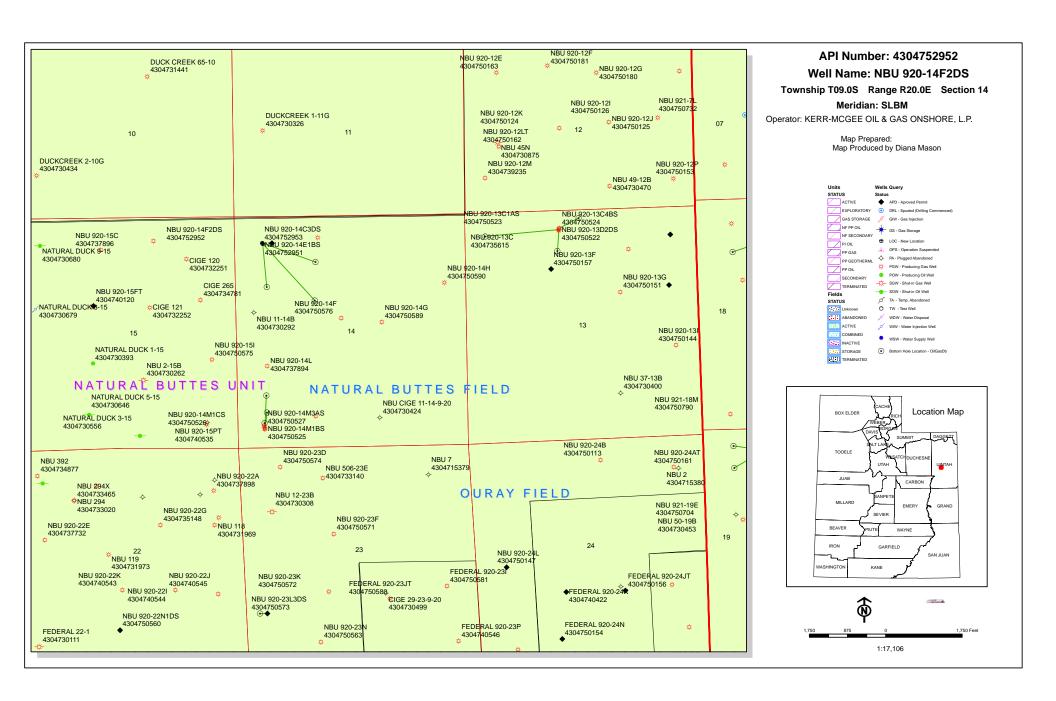
The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

C and brame	June 7, 2012	
Laura Abrams	Date	_



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

July 30, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Natural Buttes Unit

Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2012 within the Natural Buttes Unit, Uintah County, Utah.

API # WELL NAME LOCATION

(Proposed PZ WASATCH-MESA VERDE)

WELL PAD - NBU 1022-10A

43-047-52994 NBU 1022-10A1BS Sec 10 T10S R22E 0182 FNL 0780 FEL BHL Sec 10 T10S R22E 0155 FNL 0460 FEL

43-047-52995 NBU 1022-10A4CS Sec 10 T10S R22E 0190 FNL 0775 FEL BHL Sec 10 T10S R22E 1235 FNL 0570 FEL

WELL PAD - NBU 920-14D

43-047-52951 NBU 920-14E1BS Sec 14 T09S R20E 0603 FNL 0623 FWL BHL Sec 14 T09S R20E 1592 FNL 0710 FWL

43-047-52952 NBU 920-14F2DS Sec 14 T09S R20E 0593 FNL 0620 FWL BHL Sec 14 T09S R20E 1924 FNL 1806 FWL

43-047-52953 NBU 920-14C3DS Sec 14 T09S R20E 0584 FNL 0617 FWL BHL Sec 14 T09S R20E 1041 FNL 1827 FWL

WELL PAD - NBU 1022-10C

43-047-52996 NBU 1022-10B3DS Sec 10 T10S R22E 0922 FNL 1715 FWL BHL Sec 10 T10S R22E 1038 FNL 1990 FEL

43-047-52997 NBU 1022-10C2CS Sec 10 T10S R22E 0916 FNL 1695 FWL

BHL Sec 10 T10S R22E 0435 FNL 1379 FWL

RECEIVED: July 31, 2012

Page 2

API # WELL NAME

LOCATION

(Proposed PZ WASATCH-MESA VERDE)

WELL PAD - NBU 1022-10C

43-047-52998 NBU 1022-10C4CS Sec 10 T10S R22E 0924 FNL 1724 FWL BHL Sec 10 T10S R22E 0970 FNL 2251 FWL

43-047-52999 NBU 1022-10C3CS Sec 10 T10S R22E 0919 FNL 1705 FWL BHL Sec 10 T10S R22E 1079 FNL 1528 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

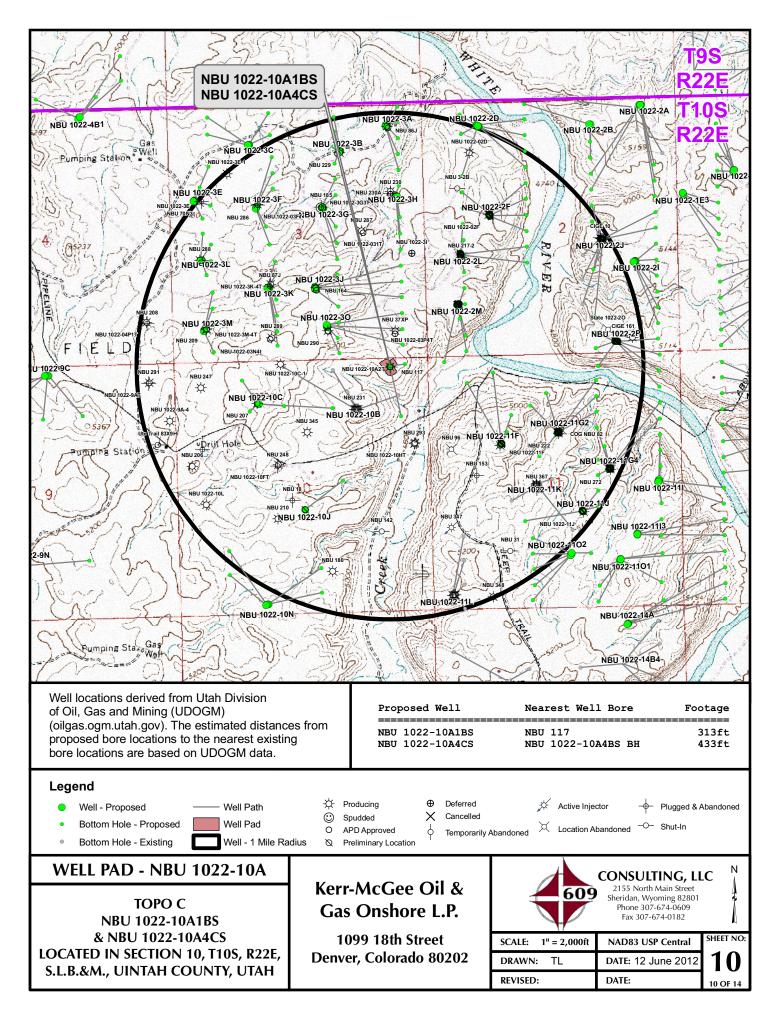
Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US Date: 2012.07.30 12:47:59 -06'00'

Digitally signed by Michael L. Coulthard DN: cn=Michael L. Coulthard, o=Bureau of Land

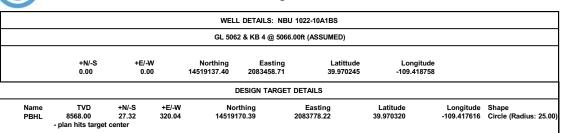
bcc: File - Natural Buttes Unit Division of Oil Gas and Mining

> Central Files Agr. Sec. Chron Fluid Chron

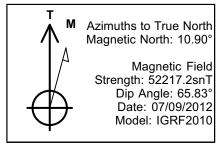
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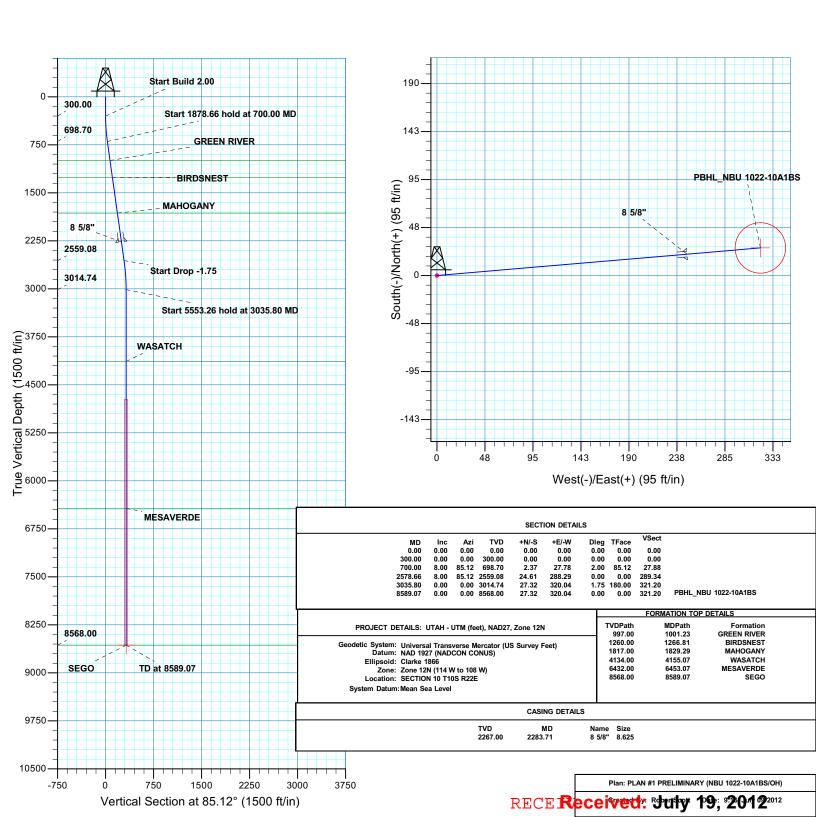


Site: NBU 1022-10A PAD Well: NBU 1022-10A1BS Scientific Drilling Wellbore: OH





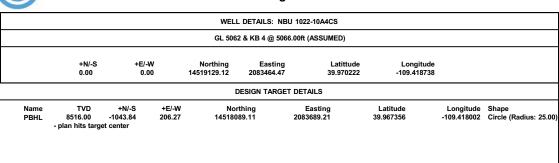




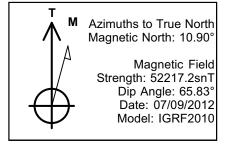
Scientific Drilling

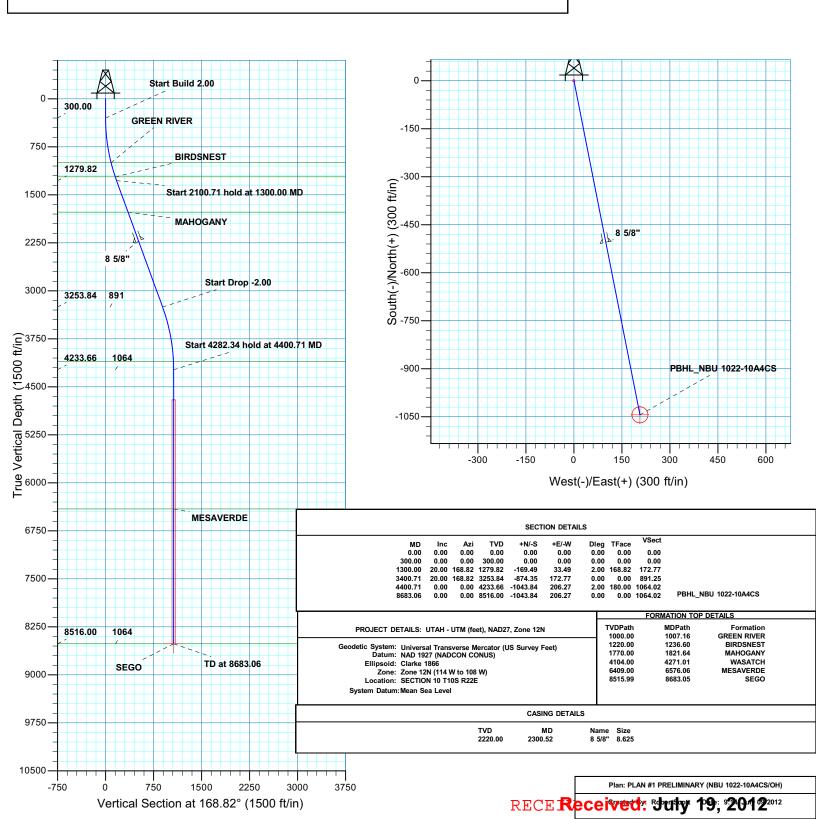
Site: NBU 1022-10A PAD Well: NBU 1022-10A4CS

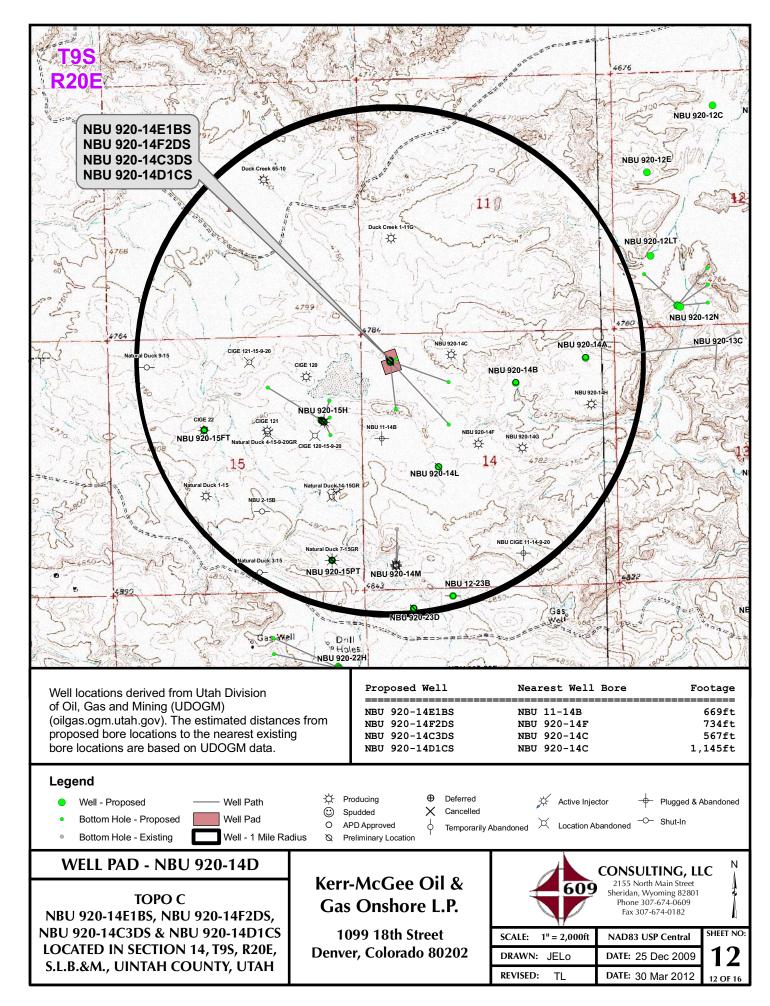
Wellbore: OH









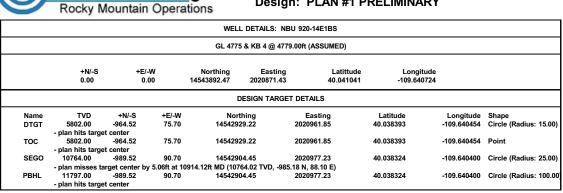


API Well Number: 43047 520 2000 UTA 0 - UTM (feet), NAD27, Zone 12N

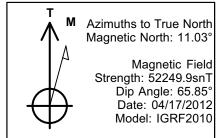
Scientific Drilling

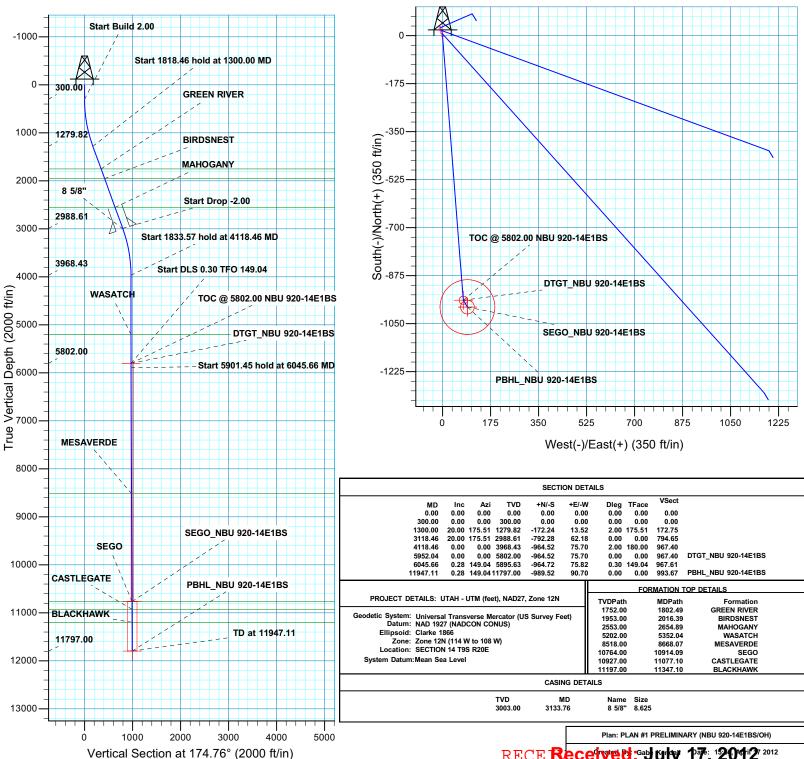
Site: NBU 920-14D PAD Well: NBU 920-14E1BS

Wellbore: OH









API Well Number: 43047 520 2000 UTA 0 - UTM (feet), NAD27, Zone 12N

Scientific Drilling

get center

1190.08

Site: NBU 920-14D PAD Well: NBU 920-14F2DS

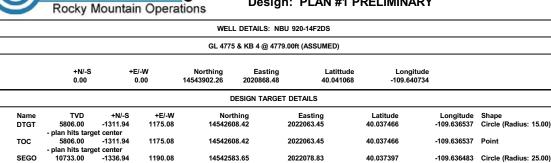
Wellbore: OH

2022078.83

40.037397

-109.636483 Circle (Radius: 100.00

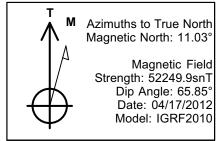
Design: PLAN #1 PRELIMINARY

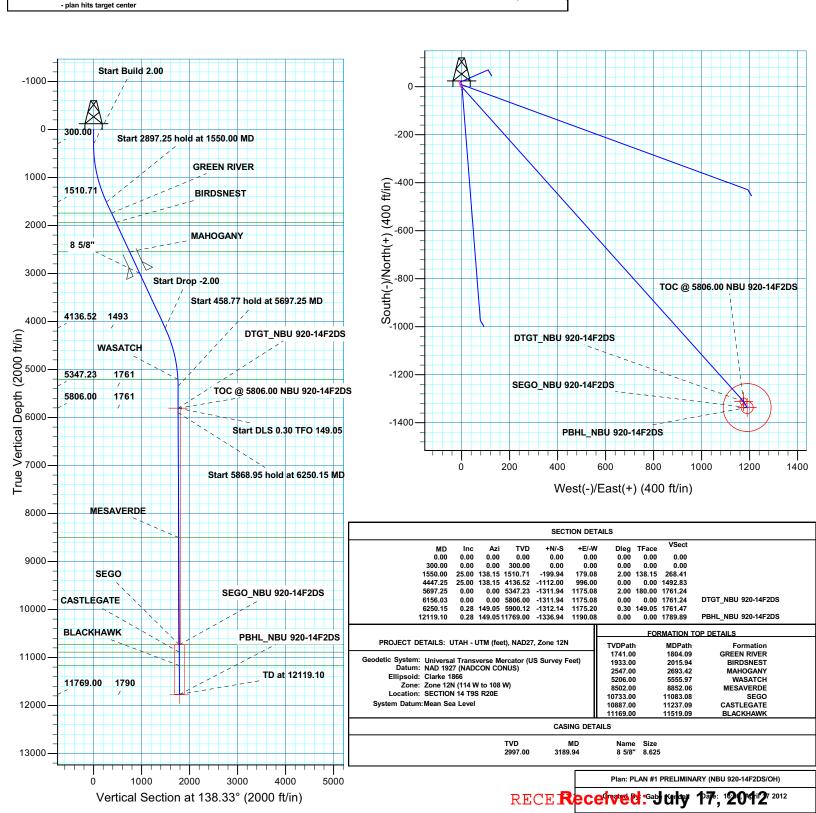


5.11ft at 11083.11ft MD (10733.03 TVD, -1332.56 N, 1187.45 E)

14542583.65







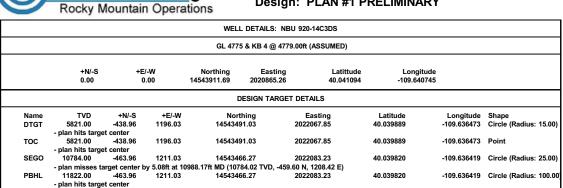
API Well Number: 43047 520 2000 UTA 0 - UTM (feet), NAD27, Zone 12N

Scientific Drilling

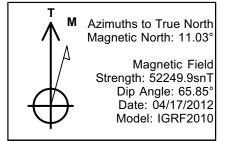
Vertical Section at 110.96° (2000 ft/in)

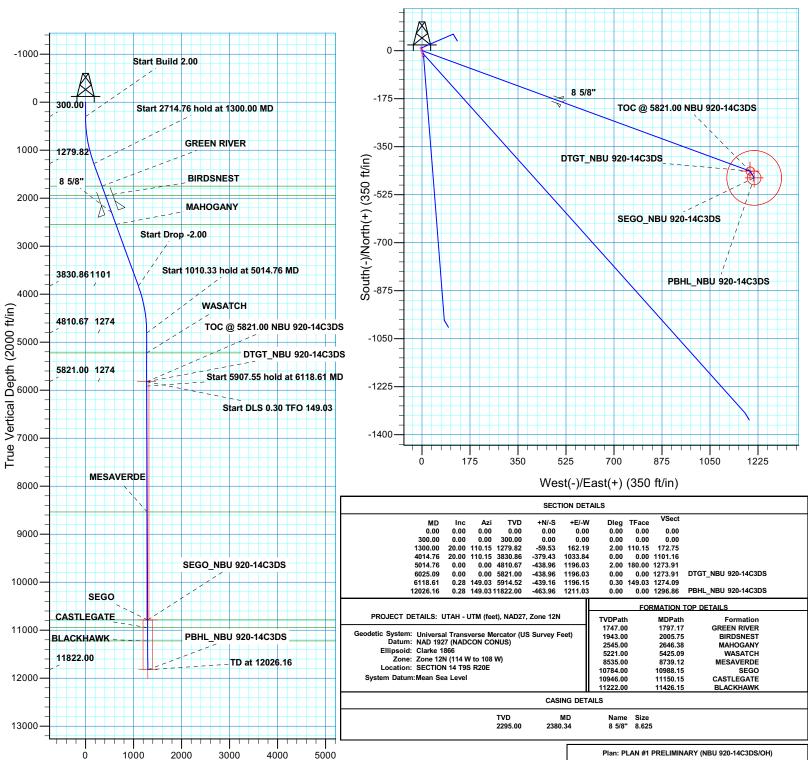
Site: NBU 920-14D PAD Well: NBU 920-14C3DS

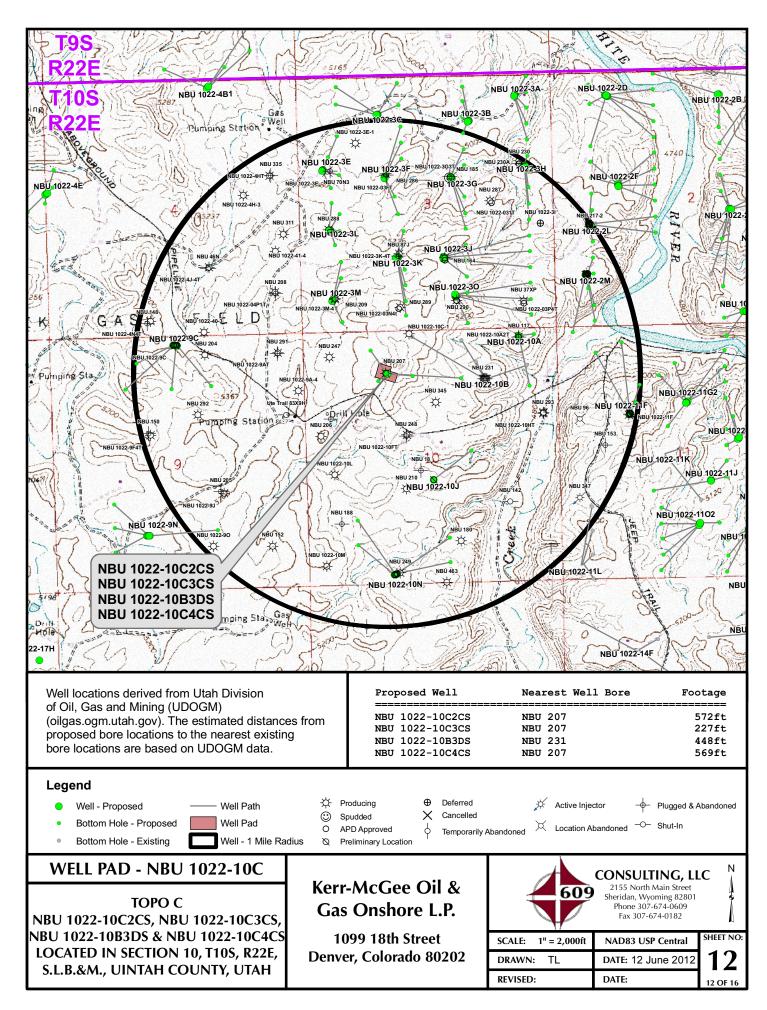
Wellbore: OH







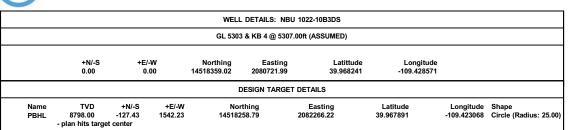




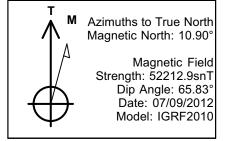
Scientific Drilling

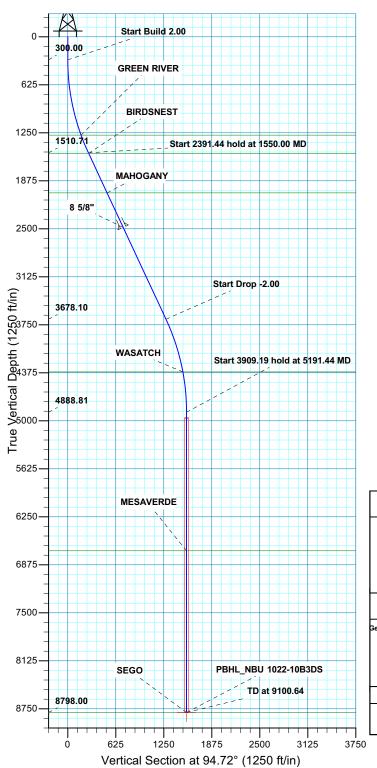
Site: NBU 1022-10C PAD Well: NBU 1022-10B3DS

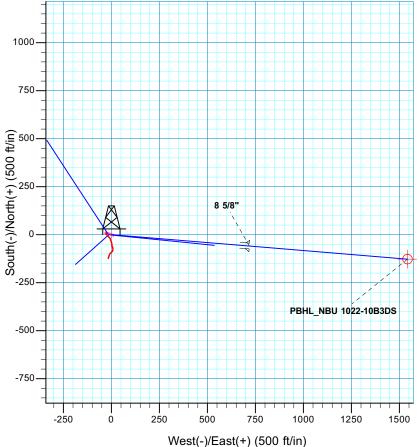
Wellbore: OH











				SECT	ION	DETAILS	;			
MD	Inc	Azi	TVD	+N/-S	+1	E/-W	Dleg	TFace	VSect	
0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00		0.00	0.00	0.00	0.00	
1550.00	25.00	94.72	1510.71	-22.10	26	7.50	2.00	94.72	268.41	
3941.44	25.00	94.72	3678.10	-105.33	127	4.73	0.00	0.00	1279.08	
5191.44	0.00	0.00	4888.81	-127.43	154	2.23	2.00		1547.48	
9100.64	0.00	0.00	8798.00	-127.43	154	2.23	0.00	0.00	1547.48	PBHL_NBU 1022-10B3DS
PROJECT DETAILS: odetic System: University NAD 19 Ellipsoid: Clarke Zone: Zone 1: Location: SECTI System Datum: Mean S	al Trans 27 (NAD 1866 2N (114 V ON 10 T	verse M CON CO V to 108	lercator (U DNUS)	-	\dashv	TVDPa 1280.4 1518.6 2033.6 4364.6 6693.6 8797.5	00 00 00 00 00	130 155 212 466 699	Path 00.20 68.04 26.28 63.65 05.64	Formation GREEN RIVER BIRDSNEST MAHOGANY WASATCH MESAVERDE SEGO
				CASI	ING	DETAILS				
			TVD 2483.00	2622	MD 2.80		Name 8 5/8'	e Size	;	

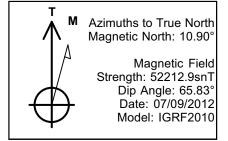
Scientific Drilling

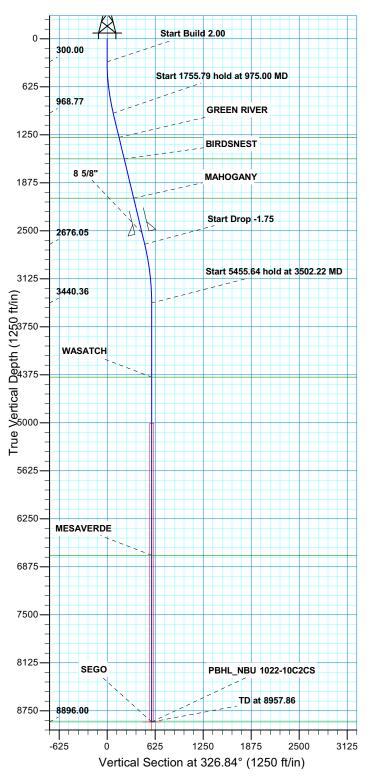
Site: NBU 1022-10C PAD Well: NBU 1022-10C2CS

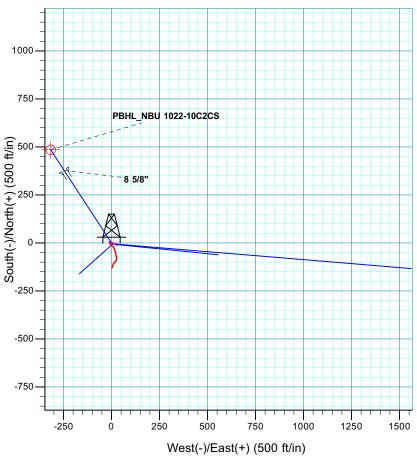
Wellbore: OH











		_				<i>),</i>		,		
SECTION DETAILS										
MD 0.00 300.00 975.00 2730.79 3502.22 8957.86		0.00 0.00 326.84 326.84 0.00	0.00 300.00 968.77 2676.05 3440.36	485.13	-26 -31	0.00 0.00 0.00 0.00 43.29 2.00 67.48 0.00	TFace 0.00 0.00 326.84 0.00 180.00 0.00	VSect 0.00 0.00 79.15 489.04 579.50 579.50	PBHL_NBU 1022-10C2CS	
8957.86 0.00 0.00 8896.00 485.13 -31 PROJECT DETAILS: UTAH - UTM (feet), NAD27, Zone 12N Geodetic System: Universal Transverse Mercator (US Survey Feet Datum: NAD 1927 (NADCON CONUS) Ellipsoid: Clarke 1866 Zone: Zone 12N (114 W to 108 W) Location: SECTION 10 T10 SR22E System Datum: Mean Sea Level						TVDPath 1284.00	ORMATI MDI 129 158 211 446 678		DETAILS Formation GREEN RIVER BIRDSNEST MAHOGANY WASATCH MESAVERDE SEGO	
				CASI	NG	DETAILS				
			TVD 2525.00	M 2575.	MD .45		Size ' 8.625	i		
						Plan: Pl &	N #1 PE	RMIT (N	BU 1022-10C2CS/OH)	

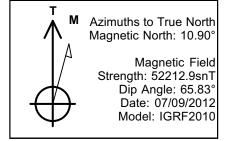
Scientific Drilling

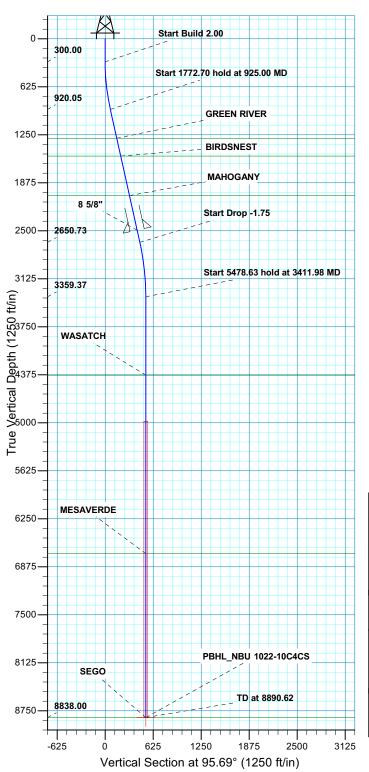
Site: NBU 1022-10C PAD Well: NBU 1022-10C4CS

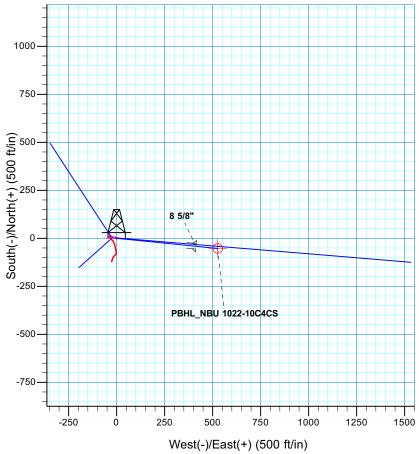
Wellbore: OH









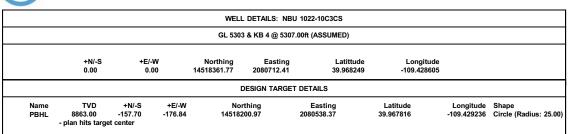


					_				
				SECTI	ON	N DETAILS			
MD 0.00	Inc 0.00	Azi 0.00		+N/-S 0.00		+E/-W Dleg 0.00 0.00	TFace 0.00	VSect 0.00	
300.00 925.00	0.00	0.00	300.00	0.00 0.00 -6.73		0.00 0.00 0.00 0.00 67.57 2.00	0.00	0.00 0.00 67.91	
2697.70 3411.98	12.50 0.00	95.69 0.00	2650.73 3359.37	-44.75 -52.44	44 52	49.37 0.00 526.59 1.75	0.00 180.00	451.59 529.20	
8890.62	0.00	0.00	8838.00	-52.44	52	526.59 0.00	0.00	529.20	PBHL_NBU 1022-10C4CS
i)	<u>L</u>	ORMAT!	ION TOP	DETAILS
PROJECT DETAILS: I	UTAH - I	UTM (fer	et), NAD27	, Zone 12N	_'	TVDPath	MDF	Path	Formation
Geodetic System: Universa Datum: NAD 192				S Survey Fe	et'	1 .020.00	154	09.05 17.71	GREEN RIVER BIRDSNEST
Ellipsoid: Clarke 1		JUN 00	NOO		,	2042.00 4380.00		74.19 32.62	MAHOGANY WASATCH
Zone: Zone 12	2N (114 W				,	6704.00		32.62 56.62	MESAVERDE
	Location: SECTION 10 T10SR22E System Datum: Mean Sea Level							90.62	SEGO
 I				CASI	١G	DETAILS			
			TVD 2492.00	M 2535.	MD .11		e Size " 8.625	,	
				—	_	Plan: DI /	AN #1 DI	EDMIT (N	IBU 1022-10C4CS/OH)

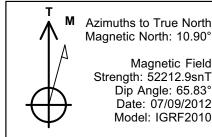
Scientific Drilling

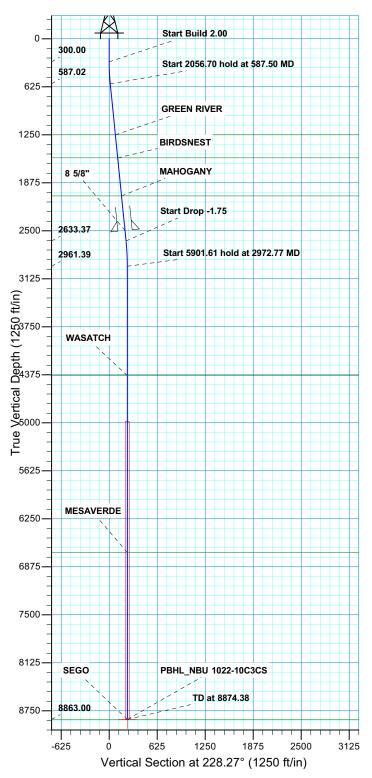
Site: NBU 1022-10C PAD Well: NBU 1022-10C3CS

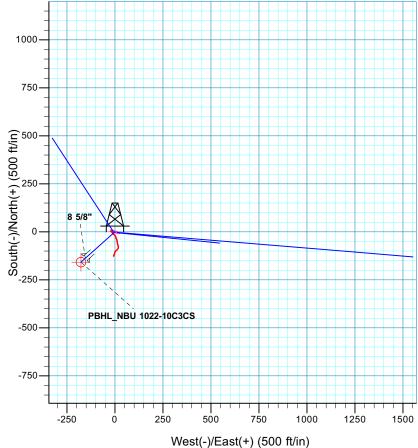
Wellbore: OH











					31(-)/ Lu	31(1)	,000	101117	
<u> </u>	SECTION DETAILS									
MD 0.00 300.00 587.50 2644.20 2972.77 8874.38		0.00 0.00 228.27 228.27 0.00	0.00 300.00	+N/-S 0.00 0.00 -9.59 -146.74 -157.70 -157.70	-1 -16 -17	+E/-W 0.00 0.00 10.76 64.54 76.84	0.00 0.00 2.00 0.00	TFace 0.00 0.00 228.27 0.00 180.00 0.00	VSect 0.00 0.00 14.41 220.47 236.94 236.94	PBHL_NBU 1022-10C3CS
PROJECT DETAILS: Universa Datum: NAD 192 Ellipsoid: Clarke 1: Zone: Zone 121 Location: SECTIO System Datum:Mean Se	7, Zone 12	TVDI 125 155 204 438 669	F	ORMATI MDI 125 155 205 439 670		DETAILS Formation GREEN RIVER BIRDSNEST MAHOGANY WASATCH MESAVERDE SEGO				
CASING DETAILS TVD MD Name Size 2497.00 2507.14 8 5/8" 8.625										
•							Plan: PLA	N #1 PE	RMIT (NI	BU 1022-10C3CS/OH)

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/17/2012 API NO. ASSIGNED: 43047529520000

WELL NAME: NBU 920-14F2DS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995) PHONE NUMBER: 720 929-6356

CONTACT: Laura Abrams

PROPOSED LOCATION: NWNW 14 090S 200E **Permit Tech Review:**

> SURFACE: 0593 FNL 0620 FWL **Engineering Review:**

> **BOTTOM:** 1924 FNL 1806 FWL **Geology Review:**

COUNTY: UINTAH

LATITUDE: 40.04096 LONGITUDE: -109.64134 UTM SURF EASTINGS: 615907.00 NORTHINGS: 4433187.00

FIELD NAME: NATURAL BUTTES LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0577-A PROPOSED PRODUCING FORMATION(S): BLACKHAWK

SURFACE OWNER: 2 - Indian **COALBED METHANE: NO**

RECEIVED AND/OR REVIEWED: LOCATION AND SITING:

✓ PLAT R649-2-3.

Unit: NATURAL BUTTES Bond: FEDERAL - WYB000291

Potash R649-3-2. General

Oil Shale 190-5

Oil Shale 190-3 R649-3-3. Exception

Oil Shale 190-13 **Drilling Unit**

Board Cause No: Cause 173-14 Water Permit: 43-8496

Effective Date: 12/2/1999 **RDCC Review:**

Siting: Suspends General Siting Fee Surface Agreement

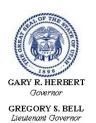
✓ Intent to Commingle R649-3-11. Directional Drill

Commingling Approved

Comments: Presite Completed

Stipulations:

3 - Commingling - ddoucet 4 - Federal Approval - dmason 15 - Directional - dmason 17 - Oil Shale 190-5(b) - dmason



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: NBU 920-14F2DS API Well Number: 43047529520000 Lease Number: UTU-0577-A

Surface Owner: INDIAN Approval Date: 8/21/2012

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-14. The expected producing formation or pool is the BLACKHAWK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingle:

In accordance with Board Cause No. 173-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil

shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at http://oilgas.ogm.utah.gov

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
 - Requests to Change Plans (Form 9) due prior to implementation
 - Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
 - Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas Form 3160-3 (August 2007)

FORM APPROVED

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

JUN 2 0 2012

OMB No. 1004-0136 Expires July 31, 2010

BUREAU OF LAND		JUN 2 U ZUIZ	5. Lease Serial No. UTU0577A		
APPLICATION FOR PERMIT	TO DRILL OR REE	Ter Vernal U	6. If Indian, Allottee or Tribe	Name	
1a. Type of Work: ☑ DRILL ☐ REENTER			7. If Unit or CA Agreement, UTU63047A		
1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Oth	ner Single 2	Zone Multiple Zone	8. Lease Name and Well No. NBU 920-14F2DS		
2. Name of Operator Contact: KERR MCGEE OIL&GAS ONSHOREMaiPlaura.ab	LAURA ABRAMS rams@anadarko.com		9. API Well No. 43 047 July	52	
3a. Address 1099 18TH STREET SUITE 600 DENVER, CO 80202	3b. Phone No. (include a Ph: 720-929-6356	rea code)	10. Field and Pool, or Explor NATURAL BUTTES	atory	
4. Location of Well (Report location clearly and in accorded	nce with any State requirem	ents.*)	11. Sec., T., R., M., or Blk. ar	nd Survey or Area	
At surface NWNW 593FNL 620FWL 4	0.041032 N Lat, 109.6	341426 W Lon	Sec 14 T9S R20E Me	r SLB	
At proposed prod. zone SENW 1924FNL 1806FWL	40.037361 N Lat, 109	.637175 W Lon			
14. Distance in miles and direction from nearest town or post 39.1 MILES SOUTH OF VERNAL, UT	office*		12. County or Parish UINTAH	13. State UT	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1806		17. Spacing Unit dedicated to this well			
18. Distance from proposed location to nearest well, drilling,	19. Proposed Depth		20. BLM/BIA Bond No. on file		
completed, applied for, on this lease, ft.		WYB000291			
21. Elevations (Show whether DF, KB, RT, GL, etc. 4775 GL	22. Approximate date wo 11/07/2012	rk will start	23. Estimated duration 30-60 DAYS		
	24. Attach	ments	RECE	VED	
The following, completed in accordance with the requirements of	Onshore Oil and Gas Order	No. 1, shall be attached to the	nis form: NOV 2	2012	
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Systo SUPO shall be filed with the appropriate Forest Service Off 	m Lands, the 5.	Item 20 above). Operator certification	ns unless covered by an existing DIV. OF OfL, G ormation and/or plans as may be	AS & MINING	
25. Signature (Electronic Submission)	Ph: 720-929-6356		Date 06/07/2012		
Title REGULATORY ANALYST II					
Approved by (Signature)	Name (Printed/Typed)	Jerry Kenczka		DAIOV 1 3 201	
Assistant Field Manager Lands & Mineral Resources	Office VERN	AL FIELD OFFICE			
Application approval does not warrant or certify the applicant holoperations thereon. Conditions of approval, if any, are attached.	ds legal or equitable title to	those rights in the subject lea	se which would entitle the applic	ant to conduct	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, m States any false, fictitious or fraudulent statements or representati	ake it a crime for any person ons as to any matter within i	n knowingly and willfully to ts jurisdiction.	make to any department or agend	y of the United	
Additional Operator Remarks (see payt page)					

Electronic Submission #140056 verified by the BLM Well Information System For KERR MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

101 20 10109 A 9 NO NOS- APD Posted 6 2012. 12UBR 0769A2



UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE** 170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Kerr McGee Oil & Gas Onshore LP	Location:	NWNW, Sec.14,T9S R20E
Well No:	NBU 920-14F2DS	Lease No:	UTU-0577A
API No:	43-047-52952	Agreement:	Natural Buttes

OFFICE NUMBER:

(435) 781-4400

OFFICE FAX NUMBER:

(435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 6 Well: NBU 920-14F2DS

11/7/2012

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

Site Specific COA's

- Paint new facilities "Shadow Gray."
- Monitor location by permitted archeologist during construction process.
- Monitor location by a permitted paleontologist during construction operations.
- In accordance with the guidelines specified in the Guidelines for Raptor Protection from Human and Land Use disturbances, conduct a raptor survey prior to construction operations if such activities would take place during raptor nesting season (January 1st through September 30th). If active raptor nests are identified during the survey, operations should be conducted according to the seasonal restrictions detailed in the Uinta Basin-specific RMP guidelines and spatial offsets specified by the USFWS Utah Raptor Guidelines.
- Prior to construction operations, conduct a biological survey to determine the presence of Uinta Basin hookless cactus in accordance with the guidelines specified in the USFWS Rare Plant Conservation Measures for Uinta Basin hookless cactus and in consideration of the 300-foot offset as specified in the GNB BO and BLM RMP ROD.
- #2 and #4 in front of diversion ditch

Page 3 of 6 Well: NBU 920-14F2DS 11/7/2012

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC Drilling Plan COAs:

- Gamma Ray Log shall be run from Total Depth to Surface.
- CBL will be run from TD to TOC.
- Cement for the surface casing will be circulated to the surface.

Variances Granted:

• All variances granted per APD

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
 daily drilling report. Components shall be operated and tested as required by Onshore Oil &
 Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
 performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
 reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.

Page 4 of 6 Well: NBU 920-14F2DS 11/7/2012

The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) shall the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 5 of 6 Well: NBU 920-14F2DS 11/7/2012

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
 notified when it is placed in a producing status. Such notification will be by written
 communication and must be received in this office by not later than the fifth business day
 following the date on which the well is placed on production. The notification shall provide, as a
 minimum, the following informational items:
 - o Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

Page 6 of 6 Well: NBU 920-14F2DS 11/7/2012

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
 Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports shall be
 submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
 standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
 measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
 to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
 first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
 adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
 sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office
 Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in
 order that a representative may witness plugging operations. If a well is suspended or
 abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent
 Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual
 plugging of the well bore, showing location of plugs, amount of cement in each, and amount of
 casing left in hole, and the current status of the surface restoration.

Sundry Number: 40267 API Well Number: 43047529520000

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In		
	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 920-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.		9. API NUMBER: 43047529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18t	h Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 73779 720 929-	9. FIELD and POOL or WILDCAT: 5NATERAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Mer	idian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
/	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start: 8/21/2013	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
0/21/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	✓ APD EXTENSION
Nopen Suite	WILDCAT WELL DETERMINATION	OTHER	OTHER:
Kerr-McGee Oil & G an extension to this	completed operations. Clearly show as Onshore, L.P. (Kerr-McGo APD for the maximum time with any questions and/or c	ee) respectfully requests allowed. Please contact	Approved by the
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMB 720 929-6236	BER TITLE Staff Regulatory Specialist	
SIGNATURE N/A		DATE 7/19/2013	

Sundry Number: 40267 API Well Number: 43047529520000



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047529520000

API: 43047529520000 Well Name: NBU 920-14F2DS

Location: 0593 FNL 0620 FWL QTR NWNW SEC 14 TWNP 090S RNG 200E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 8/21/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

• If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
 Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
 Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
 Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
• Has the approved source of water for drilling changed? Q Yes 📵 No
 Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
• Is bonding still in place, which covers this proposed well? Yes No
nature: Teena Paulo Date: 7/19/2013

Sig

Title: Staff Regulatory Specialist Representing: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Sundry Number: 40342 API Well Number: 43047529520000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER:					
	UTU-0577-A					
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In					
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL forr	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES					
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-14F2DS					
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	9. API NUMBER: 43047529520000					
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18t	9. FIELD and POOL or WILDCAT: 5NATERAL BUTTES					
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL	COUNTY: UINTAH					
QTR/QTR, SECTION, TOWNSI Qtr/Qtr: NWNW Section:	STATE: UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA						
TYPE OF SUBMISSION						
The operator re Specifically, the option. All other a	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION COMPLETED OPERATIONS. Clearly show all equests approval for changes perator requests approval for spects of the previously applinge. Please see closed loop a	in the drilling plan. a closed loop drilling roved drilling plan will	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Depths, volumes, etc. Accepted by the Utah Division of Oil, Gas and Mining Date: August 09, 2013 By:			
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBE 720 929-6236	R TITLE Staff Regulatory Specialist				
SIGNATURE N/A		DATE 7/23/2013				

Sundry Number: 40342 API Well Number: 43047529520000

Requested Drilling Options:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one cuttings storage area to be constructed on the drilling pad or a traditional drilling operation with one pit used for drilling and completion operations. The cuttings storage area will be used to contain only the de-watered drill cuttings and will be lined and bermed to prevent any liquid runoff. The drill cuttings will be buried in the completion pit once completion operations are completed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit will be lined with a synthetic material 20 mil or thicker and will be used for the completing of the wells on the pad or used as part of our Aandarko Completions Transportation System (ACTS). Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completions pit.

If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

RECEIVED: Jul. 23, 2013

Sundry Number: 42087 API Well Number: 43047529520000

	FORM 9				
ſ	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A				
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In				
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES				
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 920-14F2DS				
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	9. API NUMBER: 43047529520000				
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	9. FIELD and POOL or WILDCAT: 5NATURAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL	COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICA	CATE NA	TURE OF NOTICE, REPOR	T, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION				
	ACIDIZE	☐ AL	TER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	Сн	IANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS	□ co	MMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ FR	ACTURE TREAT	New construction	
	OPERATOR CHANGE	☐ PL	UG AND ABANDON	PLUG BACK	
✓ SPUD REPORT	PRODUCTION START OR RESUME	RE	CLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud: 9/3/2013 DRILLING REPORT Report Date:	REPERFORATE CURRENT FORMATION	SIE	DETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR		NT OR FLARE	WATER DISPOSAL	
	WATER SHUTOFF		TA STATUS EXTENSION	APD EXTENSION	
Report Bate.			TA STATUS EXTENSION		
	WILDCAT WELL DETERMINATION	OI	HER	OTHER:	
Spud well 09/03/20 ² X .250 wall co	COMPLETED OPERATIONS. Clearly show 13 @ 12:00. Drill 24" cond nductor pipe, cement with 8 spud date and surface ca	ductor 81 sa	hole to 40', run 14" cks ready mix.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 13, 2013	
NAME (DI 2407 52007)		upen l	TITLE		
NAME (PLEASE PRINT) Doreen Green	PHONE NUM 435 781-9758		TITLE Regulatory Analyst II		
SIGNATURE N/A			DATE 9/4/2013		

Sundry Number: 46322 API Well Number: 43047529520000

	STATE OF UTAH		FORM 9	
ı	DEPARTMENT OF NATURAL RESOURG DIVISION OF OIL, GAS, AND MII		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A	
	Y NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In	
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.	deepen existing wells below ontal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 920-14F2DS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047529520000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 8021	PHONE NUMBER: 7 3779 720 929-6	9. FIELD and POOL or WILDCAT: 5NATERAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Mei	ridian: S	STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION	
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
✓ DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
1/2/2014				
	WILDCAT WELL DETERMINATION	OTHER	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No actitivy for Quarter 4 of 2013. Well TD at Drilled to 3,250 ft. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 03, 2014				
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUME 720 929 6582	BER TITLE Regulatory Analyst		
SIGNATURE	120 323 0302	DATE		
N/A		1/2/2014		

RECEIVED: Jan. 02, 2014

Sundry Number: 49604 API Well Number: 43047529520000

	STATE OF UTAH		FORM 9
ī	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A
SUNDR	Y NOTICES AND REPORTS OF	N WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 920-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	Pin Street, Suite 600, Denver, CO, 80217 3	HONE NUMBER: 779 720 929-6	9. FIELD and POOL or WILDCAT: 1NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	IIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Meridia	an: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date: 4/2/2014		1	
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
	COMPLETED OPERATIONS. Clearly show all or Quarter 1 of 2014. Well Dril	•	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 02, 2014
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE	
Kay E. Kelly	720 929 6582	Regulatory Analyst	
SIGNATURE N/A		DATE 4/2/2014	

Sundry Number: 52430 API Well Number: 43047529520000

	STATE OF UTAH				FORM 9
1	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		6	5.LEASE UTU-0	DESIGNATION AND SERIAL NUMBER: 577-A
	SUNDRY NOTICES AND REPORTS ON WELLS			6. IF IND UTE	IAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.	deep ntal l	pen existing wells below laterals. Use APPLICATION		r CA AGREEMENT NAME: AL BUTTES
1. TYPE OF WELL Gas Well				1	NAME and NUMBER: 20-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.			9. API NU 43047	JMBER: 529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	h Street, Suite 600, Denver, CO, 8021		ONE NUMBER: 79 720 929-6	1	and POOL or WILDCAT: AL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL				COUNTY	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	HP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Mer	idian:	: S	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPOR	T, OR O	THER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING		CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	FRACTURE TREAT		NEW CONSTRUCTION
	OPERATOR CHANGE	☐ F	PLUG AND ABANDON		PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	□ F	RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON
	TUBING REPAIR	\Box v	VENT OR FLARE		WATER DISPOSAL
✓ DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION		APD EXTENSION
6/24/2014	WILDCAT WELL DETERMINATION		OTHER	отне	ER:
No actitivy fo	COMPLETED OPERATIONS. Clearly show or Quarter 2 of 2014. Well d	rille	ed to 3,250 ft.	Oi	Accepted by the Utah Division of il, Gas and Mining RINGE, QRD ONLY
NAME (PLEASE PRINT) Ila Beale	PHONE NUMB 720 929-6408	ER	TITLE Staff Reg. Specialist		
SIGNATURE N/A			DATE 6/24/2014		

Sundry Number: 55385 API Well Number: 43047529520000

	STATE OF UTAH		FORM 9
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	posals to drill new wells, significantly deep eenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 920-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	PHO n Street, Suite 600, Denver, CO, 80217 377	ONE NUMBER: 79 720 929-6	9. FIELD and POOL or WILDCAT: 110ATUERAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	<mark>IIP, RANGE, MERIDIAN:</mark> 14 Township: 09.0S Range: 20.0E Meridian	: S	STATE: UTAH
11. CHECH	K APPROPRIATE BOXES TO INDICATE N	ATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
9/11/2014		OTHER	OTHER:
44 DECORUPE PROPOSED OR			<u> </u>
	COMPLETED OPERATIONS. Clearly show all pe Jarter 3 of 2014. Well TD at 3,2	_	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 12, 2014
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUMBER 720 929 6582	TITLE Regulatory Analyst	
SIGNATURE N/A		DATE 9/11/2014	

Sundry Number: 58970 API Well Number: 43047529520000

	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	posals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 920-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 8021	PHONE NUMBER: 73779 720 929-6	9. FIELD and POOL or WILDCAT: 1NATERAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Mer	idian: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
12/16/2014		SI TA STATUS EXTENSION	
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
	COMPLETED OPERATIONS. Clearly show S AT 3,250'. WAITING ON PR YOU.		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 16, 2014
NAME (PLEASE PRINT)	PHONE NUMB	ER TITLE	
Kay E. Kelly	720 929 6582	Regulatory Analyst	
SIGNATURE N/A		DATE 12/16/2014	

Sundry Number: 61951 API Well Number: 43047529520000

	STATE OF UTAH		FORM 9
1	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A
SUNDR	Y NOTICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal I n for such proposals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 920-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.		9. API NUMBER: 43047529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	PHO n Street, Suite 600, Denver, CO, 80217 377	NE NUMBER: '9 720 929-6	9. FIELD and POOL or WILDCAT: 1NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	HP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Meridian:	: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICATE NA	ATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
□ NOTICE OF INTENT		ALTER CASING	CASING REPAIR
Approximate date work will start:		CHANGE TUBING	CHANGE WELL NAME CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	□ DEEPEN □ F	FRACTURE TREAT	NEW CONSTRUCTION
		PLUG AND ABANDON	PLUG BACK
SPUD REPORT Date of Spud:		RECLAMATION OF WELL SITE	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR ☐ V	/ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF ☐ S	SI TA STATUS EXTENSION	APD EXTENSION
3/30/2015	WILDCAT WELL DETERMINATION	DTHER	OTHER:
No activity for Q	COMPLETED OPERATIONS. Clearly show all per uarter 1 of 2015. Well TD at 3,2	250 ft. Thank you.	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 31, 2015
NAME (PLEASE PRINT) Kristina Geno	PHONE NUMBER 720 929-6824	TITLE Regulatory Analyst	
SIGNATURE N/A		DATE 3/30/2015	

Sundry Number: 64310 API Well Number: 43047529520000

	STATE OF UTAH		FORM 9	
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A	
	SUNDRY NOTICES AND REPORTS ON WELLS			
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.	deepen existing wells below ontal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 920-14F2DS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.		9. API NUMBER: 43047529520000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	h Street, Suite 600, Denver, CO, 8021	PHONE NUMBER: 720 929	9. FIELD and POOL or WILDCAT: -6 1NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Mer	ridian: S	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPO	PRT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION	
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
✓ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
Report Date: 6/29/2015				
	WILDCAT WELL DETERMINATION	OTHER	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for Quarter 2 of 2015. Well drilled to 3,250 ft. Thank you. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 29, 2015				
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUME 720 929-6808	BER TITLE Regulatory Specialist		
SIGNATURE N/A		DATE 6/29/2015		
I IN/ / \		■ U// 2// U I D		

RECEIVED: Jun. 29, 2015

Sundry Number: 66444 API Well Number: 43047529520000

	STATE OF UTAH			FORM
ı	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND MI	-	3	5.LEASE DESIGNATION AND SERIAL NUMBER UTU-0577-A
SUNDR	SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horize n for such proposals.	deep ontal l	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NBU 920-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUMBER: 43047529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	h Street, Suite 600, Denver, CO, 8021		NE NUMBER: 720 929-6	9. FIELD and POOL or WILDCAT: 1NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Me	ridian:	: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	FRACTURE TREAT	NEW CONSTRUCTION
·	OPERATOR CHANGE		PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION
Report Date: 9/29/2015				
	WILDCAT WELL DETERMINATION		OTHER	OTHER:
	completed operations. Clearly show uarter 3 of 2015. Well TD a	-		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 30, 2015
NAME (PLEASE PRINT)	PHONE NUMI	BER	TITLE Pagulatory Specialist	
Jennifer Thomas	720 929-6808		Regulatory Specialist	
SIGNATURE N/A			DATE 9/29/2015	

Sundry Number: 68647 API Well Number: 43047529520000

	STATE OF UTAH			FORM 9
ι	DEPARTMENT OF NATURAL RESOU DIVISION OF OIL, GAS, AND N		3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A
SUNDR	Y NOTICES AND REPORT	S ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	posals to drill new wells, significant reenter plugged wells, or to drill hori n for such proposals.			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NBU 920-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUMBER: 43047529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 802		NE NUMBER: 720 929-6	9. FIELD and POOL or WILDCAT: 5NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	IIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E M	leridian	: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		RACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE		PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT				
Report Date: 12/30/2015	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION		OTHER	OTHER:
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for Quarter 4 of 2015. Well drilled to 3,250 ft. Thank you. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 04, 2016				
NAME (PLEASE PRINT) Kristina Geno	PHONE NUI 720 929-6824	MBER	TITLE Regulatory Analyst	
SIGNATURE N/A			DATE 12/30/2015	

Sundry Number: 70672 API Well Number: 43047529520000

	STATE OF UTAH			FORM 9
ı	DEPARTMENT OF NATURAL RESOUI DIVISION OF OIL, GAS, AND M		i	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A
SUNDR	SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NBU 920-14F2DS
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUMBER: 43047529520000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	n Street, Suite 600, Denver, CO, 802		NE NUMBER: 9 720 929-6	9. FIELD and POOL or WILDCAT: 50X不证职私L BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL				COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E M	eridian:	S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		LITER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		HANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	□ F	RACTURE TREAT	NEW CONSTRUCTION
	OPERATOR CHANGE	P	LUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	□ R	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	□ s	IDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	Пи	ENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF		I TA STATUS EXTENSION	APD EXTENSION
3/29/2016				
WILDCAT WELL DETERMINATION			OTHER	OTHER:
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for Quarter 1 of 2016. Well drilled to 3,250 ft. Thank you. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 30, 2016				
NAME (PLEASE PRINT)	PHONE NUM	/BER	TITLE Regulatory Analyst	
Kristina Geno	720 929-6824		Regulatory Analyst	
SIGNATURE N/A			DATE 3/29/2016	

RECEIVED: Mar. 29, 2016

Sundry Number: 72708 API Well Number: 43047529520000

	STATE OF UTAH		FORM 9	
,	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN	-	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A	
	RY NOTICES AND REPORTS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	posals to drill new wells, significantly reenter plugged wells, or to drill horizon for such proposals.	deepen existing wells below ntal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 920-14F2DS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	NSHORE, L.P.		9. API NUMBER: 43047529520000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18tl	h Street, Suite 600, Denver, CO, 80217	PHONE NUMBER: 73779 720 929-0	9. FIELD and POOL or WILDCAT: 45ATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Meri	idian: S	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION	
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
✓ DRILLING REPORT Report Date:	WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION	
6/29/2016				
	WILDCAT WELL DETERMINATION	OTHER	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for Quarter 2 of 2016. Well TD at 3,250 ft. Thank you. Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 29, 2016				
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMB 720 929-6808	ER TITLE Regulatory Specialist		
SIGNATURE		DATE		
l N/A		6/29/2016		

RECEIVED: Jun. 29, 2016

Sundry Number: 74759 API Well Number: 43047529520000

	STATE OF UTAH			FO	RM 9
ı	DEPARTMENT OF NATURAL RESOUF DIVISION OF OIL, GAS, AND M		3	5.LEASE DESIGNATION AND SERIAL NUM UTU-0577-A	BER:
SUNDR	SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE	:
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significantl reenter plugged wells, or to drill horiz n for such proposals.	y deep zontal l	en existing wells below aterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NBU 920-14F2DS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ON	ISHORE, L.P.			9. API NUMBER: 43047529520000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th	h Street, Suite 600, Denver, CO, 802		ONE NUMBER: 720 929-6	9. FIELD and POOL or WILDCAT: 41516TUTRAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL				COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWNW Section:	HIP, RANGE, MERIDIAN: 14 Township: 09.0S Range: 20.0E Me	eridian	: S	STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDICA	ATE N	ATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WELL NAME	
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN		FRACTURE TREAT	NEW CONSTRUCTION	
	OPERATOR CHANGE		PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
	TUBING REPAIR		/ENT OR FLARE	WATER DISPOSAL	
DRILLING REPORT Report Date:	WATER SHUTOFF	Π,	SI TA STATUS EXTENSION	APD EXTENSION	
9/28/2016			OTHER	OTHER:	
	WILDCAT WELL DETERMINATION			<u>'</u>	
	COMPLETED OPERATIONS. Clearly shown arter 3 of 2016. Well drilled	•	•	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 04, 2016	r
NAME (PLEASE PRINT)	PHONE NUM	IBER	TITLE		
Kristina Geno	720 929-6824	IDEK	Regulatory Analyst		
SIGNATURE N/A			DATE 9/28/2016		

Sundry Number: 76687 API Well Number: 43047529520000

STATE OF UTAH					FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING				5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0577-A	
SUNDRY NOTICES AND REPORTS ON WELLS				6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.				7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: NBU 920-14F2DS	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.				9. API NUMBER: 43047529520000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 720 929-6				9. FIELD and POOL or WILDCAT: 459.ATUERAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0593 FNL 0620 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 14 Township: 09.0S Range: 20.0E Meridian: S				COUNTY: UINTAH	
				STATE: UTAH	
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
	ACIDIZE		ALTER CASING	CASING REP	AIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	CHANGE WE	LL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	☐ CONVERT W	ELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	☐ F	FRACTURE TREAT	☐ NEW CONST	RUCTION
	OPERATOR CHANGE	F	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT	PRODUCTION START OR RESUME	☐ F	RECLAMATION OF WELL SITE	RECOMPLET	E DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION		SIDETRACK TO REPAIR WELL	TEMPORAR	Y ABANDON
	TUBING REPAIR		VENT OR FLARE	WATER DISP	OSAL
✓ DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	APD EXTENS	SION
12/6/2016	WILDCAT WELL DETERMINATION		OTHER	OTHER:	
No actitivy fo	COMPLETED OPERATIONS. Clearly shoor Quarter 4 of 2016. Well	drille	ed to 3,250 ft.	Accepte Utah Di Oil, Gas a	ed by the vision of and Mining CORD ONLY ber 07, 2016
NAME (PLEASE PRINT)PHONE NUMBERCandice Barber435 781-9749			TITLE HSE Representative		
SIGNATURE N/A			DATE 12/6/2016		